986/1

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

JANUARY 1986

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	24	20.8*	15.565	S	70.288	W	244		4.1	1.2	23	SOUTHERN PERU
	01	00	28	29.0%	40.108	N	29.399	E	10 G			0.7	7	TURKEY
	01	00	59	58.3%	40.030	N	30.003	E	10 G			0.9	7	TURKEY
	01	02	17	16.3*	24.015	N	125.965	E	33 N		4.2	0.9	16	SOUTHWESTERN RYUKYU ISLANDS
	01	02	29	11.8	50.256	N	12.404	E	10 G			0.2	7	GERMANY
	01	03	15	18.2	50.245	N	12.446	E	10 G			0.2	11	GERMANY. ML 3.6 (VKA), 3.4 (GRF), 3.4 (FUR), 3.3 (KBA).
e	01	04	37	24.8	62.079	N	124.842	W	10 G		4.7	1.2	62	NORTHWEST TERRITORIES, CANADA
	01	06	09	06.7	39.119	N	41.715	E	45 *		4.8 4.0	1.0	46	TURKEY. Felt in the Erzurum-Hus area.
	01	06	16	39.2*	38.423	N	73.559	E	33 N		4.6	1.2	12	TAJIK-XINJIANG BORDER REGION
	01	07	34	11.8%	15.627	N	60.182	W	33 N			0.4	9	LEEWARD ISLANDS. ML 2.9 (EDF).
	01	08	03	12.6*	61.799	N	124.618	W	10 G			1.0	6	NORTHWEST TERRITORIES, CANADA
	01	10	05	41.3*	49.647	N	154.976	E	103 D		4.3	0.5	14	KURIL ISLANDS
	01	10	51	00.2*	42.358	N	19.869	E	10 *			0.6	6	YUGOSLAVIA. ML 2.8 (TTG).
	01	11	21	20.1*	7.558	S	129.273	E	173 ?		3.6	0.9	7	BANDA SEA
	01	12	15	59.27	51.33	N	16.23	E	10 G			0.9	5	POLAND
	01	13	11	53.27	32.71	N	138.00	E	340 ?		4.0	0.9	15	SOUTH OF HONSHU, JAPAN
	01	16	00	50.0	26.781	S	26.598	E	5 G		4.9	1.1	20	REPUBLIC OF SOUTH AFRICA
	01	16	04	30.5*	40.530	N	1.277	W	10 G			1.2	8	SPAIN. MC 3.9 (MDD).
	01	16	30	18.7%	40.582	N	29.969	E	10 G			0.9	7	TURKEY
	01	16	33	10.67	18.75	S	177.60	W	433 ?		3.9	1.0	11	FIJI ISLANDS REGION
	01	16	33	41.5&	60.717	N	147.680	W	20				31	SOUTHERN ALASKA. <AGS-P>.
	01	17	08	30.87	32.90	S	179.13	W	33 N		4.7	1.1	8	SOUTH OF KERMADEC ISLANDS
	01	17	13	11.7	42.373	N	19.948	E	10 G			0.5	6	YUGOSLAVIA. ML 2.7 (TTG).
	01	17	52	27.9	38.602	N	21.826	E	10 G		4.7	1.2	67	GREECE. ML 4.0 (ATH).
	01	17	53	56.6	8.946	S	122.796	E	221		5.0	1.2	36	FLORES ISLAND REGION
	01	17	59	26.3*	20.239	S	69.164	W	33 N			0.9	6	NORTHERN CHILE
	01	18	21	49.77	16.37	S	71.16	W	33 N			0.5	5	SOUTHERN PERU
	01	18	59	37.0&	60.285	N	151.531	W	59				33	KENAI PENINSULA, ALASKA. <AGS-P>.
	01	19	07	07.0	3.912	S	128.850	E	33 N		5.1	1.3	31	CERAM
e	01	19	39	21.7*	16.472	S	175.484	W	33 N		5.3 4.9	1.3	59	TONGA ISLANDS
	01	21	14	39.4*	61.848	N	124.699	W	10 G			0.9	7	NORTHWEST TERRITORIES, CANADA
	01	21	16	32.4*	18.809	S	67.685	W	216 *			1.3	8	BOLIVIA
	01	21	48	59.4*	12.682	N	61.044	W	100 *			0.9	21	WINDWARD ISLANDS
e	01	22	01	13.6	19.282	N	108.386	W	10 G		5.3 4.9	1.0	101	REVILLA GIGEDO ISLANDS REGION. Ms 5.2 (BRK).
e	01	22	10	27.0	56.841	N	165.009	E	27 D		5.2 4.8	1.2	74	KOMANDORSKY ISLANDS REGION
	01	22	16	22.47	23.74	S	179.62	W	540 ?		4.8	1.3	15	SOUTH OF FIJI ISLANDS
	01	23	21	09.0	50.232	N	12.449	E	10 G			0.5	10	GERMANY. ML 3.2 (VKA), 3.1 (GRF), 3.0 (KBA).
	02	02	58	18.0	42.329	N	19.881	E	10 G			0.6	6	YUGOSLAVIA. ML 2.7 (TTG).
	02	05	05	20.6	29.903	N	138.730	E	421		4.8	0.6	93	SOUTH OF HONSHU, JAPAN
	02	05	23	48.07	66.84	N	150.13	W	10 G			0.1	4	ALASKA. ML 3.4 (PMR).
	02	06	04	39.1*	33.114	N	138.119	E	333 *		3.9	0.8	14	SOUTH OF HONSHU, JAPAN
	02	08	41	37.9	42.317	N	19.863	E	10 G			1.5	9	YUGOSLAVIA. ML 2.7 (TTG).
	02	09	32	14.4	22.677	N	92.837	E	33 N		4.8	1.2	18	INDIA-BANGLADESH BORDER REGION
	02	09	34	21.8%	40.429	N	23.283	E	10 G			0.2	5	GREECE
	02	12	48	43.1&	31.878	N	115.818	W	6 G				6	BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	02	14	35	59.9	18.786	N	101.197	W	186 *		4.9	1.1	52	GUERRERO, MEXICO. Felt in southern Michoacan.
	02	15	53	03.5	41.402	N	22.275	E	10 G			1.1	14	YUGOSLAVIA. mbLg 2.6 (SKO).
	02	15	53	40.6	44.616	N	111.024	W	5 G			0.5	8	HEBGEN LAKE REGION. ML 3.0 (NEIS).
	02	16	39	21.1*	38.788	N	142.000	E	99 *		4.2	0.5	9	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Ofunato and (I JMA) at Ishinomaki.
	02	17	48	09.6*	28.249	N	140.525	E	33 N		4.5	1.3	8	BONIN ISLANDS REGION
	02	17	48	01.9	29.757	S	71.642	W	33 D		4.8	1.5	31	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Coquimbo and La Serena, (II) at La Higuera and (I) at Andacollo.
	02	17	52	39.07	11.18	S	165.65	E	33 N		4.3	0.9	9	SANTA CRUZ ISLANDS
	02	17	57	19.8*	5.508	S	104.224	E	85 ?		4.4	1.1	21	SOUTHERN SUMATERA
	02	18	25	44.47	17.64	S	62.25	W	33 N			1.0	6	BOLIVIA
	02	20	41	46.5*	1.122	S	122.913	E	33 N		4.2 3.8	1.3	7	SULAWESI
	02	20	42	07.5*	17.831	N	63.284	W	33 N			1.0	7	LEEWARD ISLANDS

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I 19.66:

	02	20	42	39.9•	48.987	S	123.453	E	10	G	4.5	1.2	22	SOUTH OF AUSTRALIA
	02	21	33	42.3	34.310	S	112.897	E	10	G	5.1 5.5	1.5	38	WEST OF AUSTRALIA
	02	22	05	23.4•	24.226	S	179.315	W	477	?	4.1	0.6	7	SOUTH OF FIJI ISLANDS
	02	22	55	12.4•	27.474	N	127.871	E	118	•	4.5	0.5	9	RYUKYU ISLANDS. Felt on Okinawa.
	03	00	30	32.9•	35.129	N	44.684	E	33	N	4.1	0.7	5	IRAQ
	03	00	43	44.7•	18.587	S	67.640	W	150	G		0.6	5	BOLIVIA
	03	01	27	20.9	36.534	N	83.812	E	33	N	4.2	1.2	21	SOUTHERN XINJIANG, CHINA
	03	02	24	39.5	40.784	S	4.998	W	10	G	5.2	1.1	75	SOUTH ATLANTIC OCEAN
	03	04	04	21.1	42.335	N	19.894	E	10	G		1.3	26	YUGOSLAVIA. ML 3.2 (TTG).
	03	05	32	16.8•	18.62#	S	173.839	W	33	N	4.6	1.2	10	TONGA ISLANDS
	03	06	16	07.4?	59.63	N	7.46	E	10	G		1.2	5	SOUTHERN NORWAY. MD 2.4 (BER).
	03	07	22	55.3	42.349	N	19.914	E	10	G		1.2	22	YUGOSLAVIA. MD 3.2 (TTG).
	03	07	53	51.3?	5.71	S	104.24	E	33	N	4.6	1.2	13	SOUTHERN SUMATERA
e	03	09	43	28.6	0.972	S	126.868	E	39	D	5.6 5.6	1.2	135	MOLUCCA SEA. Ms 5.8 (PAS).
	03	11	19	27.0	28.988	N	142.287	E	33	N	4.6	1.0	26	BONIN ISLANDS REGION
	03	11	32	33.0•	46.713	N	153.711	E	33	N	4.5	1.1	10	KURIL ISLANDS
	03	11	34	55.4&	60.072	N	153.328	W	124				16	SOUTHERN ALASKA. <AGS-P>.
	03	12	33	04.1&	40.445	N	124.585	W	5	G			6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	03	14	36	42.7	42.656	N	18.764	E	10	G		1.1	10	YUGOSLAVIA. MD 3.1 (TTG).
	03	15	58	06.9	10.551	N	93.815	E	164	D	5.0	0.9	124	ANDAMAN ISLANDS REGION
	03	16	31	09.7	36.629	N	83.886	E	33	N	4.4	1.1	14	SOUTHERN XINJIANG, CHINA
	03	16	47	51.0	31.796	S	70.444	W	118	?		0.8	15	CHILE-ARGENTINA BORDER REGION
	03	18	46	31.0	44.375	N	2.932	E	10	G		0.5	11	FRANCE. ML 3.1 (LDG).
	03	18	59	22.0•	14.442	S	166.434	E	33	N	4.7	1.2	26	VANUATU ISLANDS
	03	19	28	04.0•	28.047	N	140.419	E	33	N	4.4	0.7	9	BONIN ISLANDS REGION
	03	19	56	37.0•	0.588	S	132.464	E	33	N	4.8	1.3	27	WEST IRIAN REGION
	03	20	02	39.3•	51.885	N	15.924	E	10	G		0.5	5	POLAND
	03	20	44	07.7	42.271	N	19.924	E	10	G		1.2	26	YUGOSLAVIA. MD 3.3 (TTG).
	03	21	04	14.7•	8.655	S	117.155	E	33	N	4.6	1.1	9	SUMBAWA ISLAND REGION
	03	21	14	26.0•	6.665	S	131.360	E	33	N	4.7	1.3	11	TANIMBAR ISLANDS REGION
	03	21	39	17.8?	31.26	S	69.05	W	110	?		0.6	6	SAN JUAN PROVINCE, ARGENTINA
	04	00	34	30.6?	57.70	N	5.42	W	5	G		0.3	10	UNITED KINGDOM. ML 2.5 (EDI). Felt (IV) at Gairloch and (III) at Poolewe, Scotland.
	04	01	35	08.0•	33.547	S	72.595	W	33	N	4.3	1.1	22	OFF COAST OF CENTRAL CHILE
	04	01	38	57.7•	33.406	S	72.396	W	10	G		0.5	10	OFF COAST OF CENTRAL CHILE
	04	02	09	41.8	43.027	N	0.242	W	10	G		0.2	8	PYRENEES. ML 2.9 (LDG).
	04	02	39	39.1?	29.22	S	72.70	W	33	N		0.8	7	OFF COAST OF CENTRAL CHILE
	04	02	50	27.8•	19.474	N	109.437	W	10	G	4.1 4.6	1.1	10	REVILLA GIGEDO ISLANDS REGION
	04	03	14	38.3	11.327	N	63.704	W	23		4.3	0.5	17	CARIBBEAN SEA. Felt on Margarita and in the Cumana-Rio Caribe area, Venezuela.
	04	03	19	59.5?	33.43	S	72.29	W	10	G		0.4	9	OFF COAST OF CENTRAL CHILE
	04	06	26	17.6•	31.638	S	138.588	E	33	N		1.0	6	SOUTH AUSTRALIA. ML 3.4 (STK).
	04	06	48	07.3•	35.338	N	140.334	E	27	•	4.2	1.5	12	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Chiba.
	04	07	47	06.3?	40.70	N	24.27	E	10	G		0.4	6	AEGEAN SEA
	04	09	52	53.3	17.554	S	167.772	E	24	•	5.1 4.7	1.1	101	VANUATU ISLANDS
	04	11	45	53.4•	17.890	S	178.528	W	554	•	4.2	1.2	22	FIJI ISLANDS REGION
	04	11	48	38.5?	33.42	S	72.82	W	33	N		0.4	9	OFF COAST OF CENTRAL CHILE
	04	12	38	52.1•	18.018	S	168.009	E	25	•	4.3	1.0	33	VANUATU ISLANDS
	04	12	45	07.4•	17.728	S	167.891	E	33	N	4.5	1.3	22	VANUATU ISLANDS
	04	12	45	53.0•	17.753	S	167.835	E	33	N	4.4	1.4	23	VANUATU ISLANDS
	04	13	06	51.9	46.162	N	143.512	E	312	•	4.5	0.9	55	SAKHALIN ISLAND
	04	13	36	33.7	17.558	S	167.850	E	27		5.2 5.3	1.2	132	VANUATU ISLANDS
	04	14	15	53.9?	62.33	N	5.17	E	10	G		0.5	5	SOUTHERN NORWAY. MD 2.1 (BER).
	04	15	18	02.6	17.747	S	167.800	E	29	•	4.4	1.1	43	VANUATU ISLANDS
	04	16	05	47.2•	17.754	S	167.699	E	33	N	4.2	1.1	6	VANUATU ISLANDS
	04	16	27	01.7•	39.939	N	23.803	E	10	G		0.6	8	AEGEAN SEA
	04	16	39	39.6	58.236	N	12.421	E	10	G		0.5	8	GERMANY. ML 2.6 (GRF).
	04	17	08	56.9	35.874	N	140.969	E	53		4.6	1.0	23	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Choshi and Mito.
	04	18	02	09.9	53.008	N	4.412	W	10	G		0.4	7	UNITED KINGDOM. ML 1.3 (ECP).
	04	18	46	22.9	42.391	N	19.961	E	10	G		1.1	13	YUGOSLAVIA. MD 3.2 (TTG).
	04	19	16	23.4?	20.49	S	170.38	E	33	N	4.2	1.0	7	VANUATU ISLANDS
	04	20	59	10.9	17.756	S	167.665	E	10	G	4.4	1.2	34	VANUATU ISLANDS
	04	23	08	01.1	44.573	N	9.695	E	10	G		0.9	33	NORTHERN ITALY. ML 3.5 (KBA), 3.5 (LDG), 3.2 (TRI).
e	04	23	31	07.5	19.360	N	108.524	W	10	G	5.2 5.4	1.2	69	REVILLA GIGEDO ISLANDS REGION
	04	23	41	53.8?	42.31	N	20.03	E	10	G		0.8	5	YUGOSLAVIA. ML 2.6 (TTG).
	04	23	44	42.2	40.485	N	24.331	E	10	G		1.1	10	AEGEAN SEA
	04	23	51	08.6%	15.887	N	61.017	W	33	N		0.4	13	LEEWARD ISLANDS. ML 3.1 (FDF).
	05	00	01	24.9?	48.14	N	2.97	E	5	G		0.3	6	FRANCE. ML 1.9 (LDG).
	05	00	16	29.6	42.373	N	20.015	E	23	•		0.4	9	YUGOSLAVIA. MD 3.2 (TTG).
	05	00	27	28.2	42.348	N	19.949	E	10	G		0.7	8	YUGOSLAVIA. ML 2.7 (TTG).
	05	00	37	49.2•	38.102	N	21.518	E	10	G		0.9	8	GREECE. ML 3.3 (ATH).
	05	00	59	22.6	33.230	S	70.110	W	10	G	4.5	0.9	20	CHILE-ARGENTINA BORDER REGION
	05	02	07	35.5	17.723	S	167.604	E	10	G	4.6 4.8	1.3	70	VANUATU ISLANDS
	05	02	09	50.3•	33.840	S	72.476	W	33	N	4.5	1.3	25	OFF COAST OF CENTRAL CHILE
	05	02	45	55.1	42.364	N	19.957	E	10	G		1.3	6	YUGOSLAVIA. MD 2.8 (TTG).
	05	03	35	56.4&	40.989	N	73.833	W	5				6	NEW YORK. <PAL>. ML 1.8 (PAL). Felt (IV) at Hastings-on-Hudson, Tuckahoe, White Plains and Yonkers. Felt (III) at Eastchester, Irvington, Mamaroneck and Scarsdale. Also felt at Ardsley, Dobbs Ferry and Greenburgh.
	05	03	47	24.7?	58.25	S	113.92	E	10	G	4.7 4.9	1.0	7	SOUTHEAST INDIAN RISE
	05	04	34	34.3&	57.748	N	153.194	W	62				25	KODIAK ISLAND REGION. <AGS-P>.
	05	05	18	49.1&	37.262	N	121.685	W	6				13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt in the Hollister Valley area.
	05	05	53	52.1	5.619	S	131.425	E	33	N	5.1 5.1	1.1	48	BANDA SEA
	05	06	06	49.0?	33.49	S	72.83	W	33	N		0.8	12	OFF COAST OF CENTRAL CHILE
	05	06	31	18.1•	28.215	N	140.600	E	35	?	4.6	1.5	12	BONIN ISLANDS REGION
	05	06	51	45.8	17.803	S	167.644	E	10	G	4.3	1.2	39	VANUATU ISLANDS
	05	06	56	28.2	62.256	N	124.387	W	10	G	4.4	1.2	18	NORTHWEST TERRITORIES, CANADA
e	05	08	08	07.7•	53.163	S	9.638	E	10	G	5.7 5.4	1.3	38	SOUTHWEST OF AFRICA
	05	08	36	59.0?	31.84	S	66.86	W	33	N		0.9	5	LA RIOJA PROVINCE, ARGENTINA

85	09	08	18.6	40.591	N	22.931	E	10	G			0.7	14	GREECE. ML 3.0 (KBN).
85	09	21	30.4	42.989	N	146.214	E	39		5.1	5.0	1.0	67	OFF COAST OF HOKKAIDO, JAPAN. Felt (II JMA) at Nemuro and (I JMA) at Kushiro.
85	10	37	48.0&	15.657	N	61.591	W	33	N			1.1	5	LEEWARD ISLANDS. ML 3.1 (FDF).
85	11	27	55.3	42.392	N	19.995	E	10	G			0.8	10	YUGOSLAVIA. MD 2.8 (TTG).
85	11	37	03.4	35.232	N	27.727	E	46	•	4.2		1.5	41	DODECANESE ISLANDS
85	12	44	10.4•	9.176	S	158.266	E	33	N	3.7		1.2	7	SOLOMON ISLANDS
85	13	14	54.8	28.962	N	138.723	E	482		4.2		0.7	24	BONIN ISLANDS REGION
85	13	28	07.0	42.382	N	19.967	E	10	G			1.2	9	YUGOSLAVIA. MD 2.8 (TTG).
85	13	37	40.2	74.044	N	9.434	E	10	G	4.5		1.1	19	GREENLAND SEA
85	13	57	12.1•	26.882	S	177.125	W	33	N	4.9		0.9	18	SOUTH OF FIJI ISLANDS
85	15	00	15.6	17.753	S	167.641	E	10	G	4.3		1.3	47	VANUATU ISLANDS
85	16	16	32.8•	18.773	N	99.626	E	30				1.3	9	SOUTHEAST ASIA
85	18	19	45.9&	31.144	S	67.972	W	10	G			0.8	5	SAN JUAN PROVINCE, ARGENTINA
85	18	52	14.8&	40.712	N	22.836	E	10	G			0.3	6	GREECE
85	19	15	27.9	32.183	S	70.792	W	90		5.0		1.0	39	CHILE-ARGENTINA BORDER REGION. Felt (IV) in the Valparaiso-Vina del Mar area and (III) at Santiago, Chile.
85	19	17	37.3	50.228	N	12.445	E	10	G			0.3	10	GERMANY. ML 2.9 (GRF), 2.8 (FUR), 2.7 (KBA).
85	19	41	33.0•	64.330	N	150.670	W	33	N			1.3	7	CENTRAL ALASKA. ML 3.9 (PMR).
85	20	54	53.6?	28.58	N	140.85	E	33	N	4.4		1.5	6	BONIN ISLANDS REGION
85	21	28	04.9	19.830	S	168.813	E	47	•	5.3		1.3	53	VANUATU ISLANDS
85	23	00	32.6	0.796	N	120.012	E	33	N	5.0		1.1	33	MINAHASSA PENINSULA
85	23	03	39.0•	0.781	N	119.879	E	33	N	5.2		0.9	18	MINAHASSA PENINSULA
86	00	02	35.7	49.371	N	129.369	W	10	G	4.4		1.1	39	VANCOUVER ISLAND REGION
86	00	03	12.8&	15.897	N	60.528	W	26				0.8	11	LEEWARD ISLANDS. ML 3.3 (FDF).
86	00	09	10.9	40.537	N	49.299	E	33	N	4.9	3.8	1.2	29	EASTERN CAUCASUS. Minor damage (VI) in the Shemakha area, USSR.
86	00	20	27.1	3.485	S	145.884	E	33	N	5.4	5.1	0.8	21	NEAR N COAST OF PAPUA NEW GUINEA
86	01	54	32.6&	46.385	N	7.544	E	10	G			1.4	7	SWITZERLAND
86	02	45	34.0•	17.883	S	167.853	E	33	N	4.2		1.3	12	VANUATU ISLANDS
86	03	53	37.5•	0.492	S	132.816	E	33	N	4.8		1.3	16	WEST IRIAN REGION
86	04	00	19.77	36.47	N	140.53	E	10	G			0.4	5	NEAR EAST COAST OF HONSHU, JAPAN
86	05	53	40.0&	61.785	N	150.766	W	71					34	SOUTHERN ALASKA. <AGS-P>.
86	06	17	25.87	38.75	N	23.46	E	10	G			0.3	5	GREECE
86	06	48	23.3	1.329	S	127.517	E	83	?	5.1		1.2	30	HALMAHERA
86	08	54	16.0&	60.166	N	153.072	W	122					23	SOUTHERN ALASKA. <AGS-P>.
86	09	50	42.2•	27.899	N	85.392	E	34	•	4.5		1.4	14	NEPAL. Felt at Kathmandu.
86	11	23	37.5	27.770	N	99.955	E	33	N			1.0	11	YUNNAN PROVINCE, CHINA. ML 4.2 (XMI).
86	12	28	48.5	1.729	N	126.436	E	59	•	5.1		1.2	71	MOLUCCA PASSAGE
86	12	49	14.2•	49.677	S	125.841	E	10	G	4.3		1.0	11	SOUTH OF AUSTRALIA
86	13	31	51.0•	21.250	S	68.998	W	140	?			0.5	6	CHILE-BOLIVIA BORDER REGION
86	13	55	20.8	4.366	N	124.767	E	318	•	4.7		1.0	34	CELEBES SEA
86	16	09	12.87	55.06	N	160.31	W	33	N	4.6		1.2	11	ALASKA PENINSULA
86	16	38	07.0&	62.380	N	152.449	W	153					28	CENTRAL ALASKA. <AGS-P>.
86	16	44	41.7&	40.145	N	28.698	E	10	G			1.0	9	TURKEY
86	17	29	07.1•	3.186	S	126.510	E	33	N	4.9		0.5	10	BURU
86	17	37	19.7	26.682	N	86.287	E	33	N	4.9		1.1	52	PAKISTAN
86	18	46	25.6?	6.84	S	127.61	E	419	?	4.4		1.0	8	BANDA SEA
86	19	22	01.9	42.574	N	15.328	E	16		4.2		1.3	64	ADRIATIC SEA. ML 4.4 (TRI), 4.3 (KBA).
86	19	52	42.7&	37.010	N	121.483	W	9					21	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=7.2•10••21 (BRK). Felt (IV) at Morgan Hill and (III) at Aptos. Also felt at Gilroy and Hollister.
86	20	57	52.2•	32.951	S	71.883	W	10	G			1.2	14	NEAR COAST OF CENTRAL CHILE
86	21	49	26.6	39.413	N	23.819	E	20				0.9	11	AEGEAN SEA. ML 3.2 (ATH).
86	22	23	42.0	48.316	N	6.537	E	10	G			0.9	6	FRANCE. ML 2.5 (LDG).
86	22	51	33.9	13.792	S	166.533	E	33	N	5.3		1.1	57	VANUATU ISLANDS
86	23	07	17.4	46.227	N	7.852	E	10	G			0.7	7	SWITZERLAND
86	23	30	04.8	41.938	N	23.846	E	10	G			0.4	10	GREECE-BULGARIA BORDER REGION
87	00	55	55.1?	27.64	N	112.80	W	10	G	4.3		1.2	6	BAJA CALIFORNIA
87	01	01	48.6	48.180	N	7.459	E	10	G			0.2	8	FRANCE. ML 2.6 (LDG).
87	01	26	43.6&	35.686	N	84.759	W	21					9	TENNESSEE. <TEIC>. MD 3.2 (TEIC). Felt in parts of Rhea, Meigs, McMinn and Roane Counties.
87	03	25	50.8•	15.898	S	178.747	W	20		5.0		1.1	26	FIJI ISLANDS REGION
87	03	52	42.1	50.227	N	12.429	E	10	G			0.3	10	GERMANY. ML 2.6 (GRF), 2.4 (KBA).
87	03	56	36.3?	42.32	N	19.88	E	5	G			0.6	6	YUGOSLAVIA. MD 2.8 (TTG).
87	04	32	54.9	43.058	N	0.386	W	10	G			0.7	12	PYRENEES. ML 3.5 (LDG).
87	04	49	38.0?	35.23	N	71.83	E	33	N			0.1	5	PAKISTAN
87	04	52	35.5	42.299	N	19.951	E	10	G	3.3		1.3	18	YUGOSLAVIA. MD 3.4 (TTG).
87	05	36	17.4•	21.015	S	178.888	W	585	•	4.4		1.0	18	FIJI ISLANDS REGION
• 87	08	08	46.5	17.428	S	167.611	E	26	•	5.2	5.3	1.1	66	VANUATU ISLANDS
87	09	43	56.2	50.247	N	12.467	E	10	G			0.3	8	GERMANY. ML 2.5 (GRF).
87	09	49	07.9	42.326	N	19.989	E	10	G			0.9	7	YUGOSLAVIA. MD 3.2 (TTG).
87	10	24	42.3?	14.07	N	94.02	W	33	N	4.4		1.1	7	OFF COAST OF CHIAPAS, MEXICO
• 87	10	38	55.2	21.183	S	178.627	W	520	D	5.2		0.9	103	FIJI ISLANDS REGION
87	12	25	14.0•	62.074	N	124.289	W	10	G	4.4		1.4	16	NORTHWEST TERRITORIES, CANADA
87	13	12	00.0	2.368	N	128.518	E	247	•	5.0		1.1	49	HALMAHERA
87	13	48	50.3?	1.26	S	127.37	E	33	N	5.2		1.1	10	HALMAHERA
87	13	55	03.0	1.649	N	95.280	E	33	N	5.2		0.8	67	OFF W COAST OF NORTHERN SUMATERA
87	14	51	55.3	42.295	N	19.883	E	13		3.6		1.3	39	YUGOSLAVIA. MD 3.6 (TTG).
87	15	21	21.6	50.224	N	12.417	E	10	G			0.4	7	GERMANY. ML 2.3 (GRF).
87	16	20	01.3&	39.804	N	22.687	E	10	G			0.5	8	GREECE
87	16	20	51.0•	37.149	N	72.082	E	33	N	4.2		1.4	5	TAJIK SSR
87	16	31	59.6&	39.287	N	27.884	E	10	G			1.2	6	TURKEY
• 87	16	37	47.9•	13.361	S	111.326	W	10	G	4.9	5.1	0.9	27	NORTHERN EASTER I. CORDILLERA
87	17	05	13.0•	52.574	N	168.379	W	33	N	4.0		0.6	7	FOX ISLANDS, ALEUTIAN ISLANDS
87	17	06	43.4•	34.158	S	72.179	W	33	N	4.3		1.0	23	NEAR COAST OF CENTRAL CHILE
87	17	35	01.5	50.232	N	12.426	E	10	G			0.2	8	GERMANY. ML 2.4 (GRF).
87	18	11	08.0?	42.33	N	19.92	E	10	G			1.2	6	YUGOSLAVIA. MD 2.8 (TTG).
87	18	20	52.1•	5.579	S	146.326	E	143	?	3.8		0.7	7	EAST PAPUA NEW GUINEA REGION
87	19	25	50.1&	48.234	N	7.714	E	10	G			0.3	6	FRANCE. ML 2.3 (LDG).
87	20	00	29.8&	40.616	N	22.614	E	10	G			0.5	7	GREECE
87	20	20	01.6•	28.930	N	80.325	E	70	•	5.0		0.9	15	INDIA-BANGLADESH BORDER REGION

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	07	20	48	09.8	34.289	S	72.151	W	33	N	4.6	
	07	20	46	32.0*	34.212	S	72.301	W	10	G	4.6	
	07	20	52	55.1*	28.227	N	140.796	E	33	N	4.9	
	08	00	27	20.8	42.586	N	15.315	E	28		4.2	
	08	00	44	19.4&	40.572	N	27.931	E	10	G		
	08	00	50	21.8	42.645	N	15.407	E	22		3.9	
	08	01	35	59.6&	40.572	N	23.557	E	10	G		
	08	02	32	06.0?	8.21	S	80.56	W	33	N		
	08	02	58	59.5	50.239	N	12.414	E	10	G		
	08	03	14	12.0*	50.245	N	12.423	E	10	G		
	08	03	21	44.8	50.231	N	12.446	E	10	G		
e	08	03	42	50.4	35.753	S	71.096	W	185		5.3	
	08	03	55	40.8*	50.217	N	12.425	E	10	G		
	08	03	58	52.5	50.232	N	12.446	E	10	G		
	08	04	16	03.8	37.619	N	118.854	W	5	G		
	08	04	22	03.4?	42.29	N	20.00	E	10	G		
	08	04	29	14.2	50.241	N	12.424	E	10	G		
	08	05	22	31.9*	36.426	N	71.323	E	33	N	4.9	
	08	06	08	59.7?	41.79	N	14.34	E	10	G		
	08	06	55	05.5*	7.055	S	76.781	W	91	*	4.5	
	08	07	07	49.7	12.353	N	143.959	E	28		5.1	
	08	07	28	54.3?	56.06	S	27.02	W	70	G	5.5	
	08	07	32	25.6	44.619	N	111.054	W	5	G		
	08	07	34	21.6*	36.669	N	28.393	E	76	?		
	08	08	57	37.3	42.310	N	19.919	E	10	G		
	08	09	15	19.6?	18.28	S	172.89	W	33	N	4.7	
	08	09	55	56.4*	27.257	S	152.433	E	10	G	3.2	
	08	11	08	15.5	44.635	N	111.011	W	5	G		
	08	13	36	28.3	44.610	N	111.069	W	5	G		
	08	13	51	21.7	42.297	N	19.930	E	11		3.9	
	08	13	55	31.7	42.305	N	19.961	E	10	G		
	08	14	50	29.1	42.248	N	19.848	E	8		3.6	
	08	14	54	57.0?	42.17	N	20.09	E	10	G		
	08	15	04	49.0	39.465	N	15.336	E	292		4.4	
	08	15	18	05.9	42.299	N	19.937	E	8			
	08	16	29	18.4?	42.10	N	0.07	W	10	G		
	08	16	53	00.0*	29.658	N	31.698	E	33	N		
	08	19	04	17.9*	23.351	N	93.955	E	83	?	4.7	
	08	20	57	19.1	42.350	N	19.885	E	13		4.2	
	08	22	34	06.5&	59.746	N	152.828	W	76		4.3	
	09	00	48	31.4*	17.809	S	167.951	E	47	*	4.4	
	09	01	33	27.5*	50.238	N	12.378	E	10	G		
	09	01	45	52.5	41.412	N	20.183	E	10	G		
	09	02	17	31.3	42.293	N	19.959	E	10	G		
	09	06	02	45.2	43.252	N	1.262	W	13			
	09	06	25	04.6	55.895	N	162.188	E	281	D	4.7	
	09	07	05	27.4?	5.88	S	148.61	E	103	*	4.7	
	09	09	05	34.3?	28.91	S	105.85	W	10	G	4.6	
	09	09	28	12.7&	62.497	N	151.275	W	97			
	09	11	12	33.0*	28.268	N	140.617	E	33	N	4.9	
	09	11	19	25.2	40.657	N	23.583	E	10	G		
	09	12	01	12.8	42.162	N	20.033	E	10	G		
	09	12	02	47.0*	50.218	N	12.686	E	10	G		
	09	13	16	20.0?	42.53	N	24.12	E	10	G		
	09	13	23	25.3*	5.822	S	104.197	E	33	N	4.6	
	09	13	43	33.2	23.705	S	179.866	E	536	*	4.5	
	09	14	04	02.0	21.534	S	66.748	W	222		4.8	
	09	15	49	37.6?	55.71	S	128.67	W	10	G	4.9	5.2
	09	16	28	44.7	0.799	N	123.782	E	284	*	4.6	
	09	18	51	07.1?	40.26	N	12.73	E	10	G	4.4	
	09	19	26	12.8	42.325	N	19.887	E	10			
	09	20	34	43.1*	51.246	N	15.569	E	13			
	09	21	39	30.3?	40.70	N	15.35	E	10	G	3.4	
	09	21	41	54.9	41.976	N	142.215	E	73		4.6	
	09	22	13	39.0?	26.62	S	26.61	E	5	G	4.4	
	09	22	18	42.3	42.380	N	19.922	E	10	G		
	09	22	58	24.6	42.277	N	19.913	E	11			
	09	23	07	19.7?	26.31	N	110.88	W	10	G	4.8	
	09	23	11	37.0?	19.79	S	169.66	E	388		4.7	
	10	02	15	08.0*	46.071	N	27.742	W	10	G	4.4	
	10	02	26	07.6*	19.443	S	69.399	W	33	N		
	10	02	33	59.7&	16.911	N	82.168	W	10	G		
e	10	03	46	29.9	28.648	N	96.527	E	55		5.4	5.8
	10	04	19	50.3	50.263	N	12.494	E	10	G		
	10	04	35	30.6	42.285	N	19.934	E	13		4.4	
	10	05	17	48.9?	33.99	S	178.88	E	239	?	4.7	
	10	06	02	57.5	27.880	N	140.831	E	34		5.1	
	10	06	54	37.7&	16.783	N	81.822	W	33	N		
	10	07	09	34.4	70.445	N	15.280	W	10	G	4.6	
	10	07	12	46.3*	70.133	N	15.179	W	10	G	4.8	
	10	08	10	24.1	70.393	N	15.128	W	10	G	4.6	
	10	08	10	45.2	70.325	N	15.273	W	10	G	4.7	
	10	09	59	48.0&	45.890	N	77.329	W	18	G		
	10	10	00	18.5	42.242	N	19.893	E	5	G		
	10	10	19	38.3&	61.382	N	150.658	W	60			

1.2	26	NEAR COAST OF CENTRAL CHILE
1.5	16	NEAR COAST OF CENTRAL CHILE
1.5	7	BONIN ISLANDS REGION
1.4	86	ADRIATIC SEA. ML 4.8 (KBA), 4.7 (TRI). MD 4.7 (TTG).
0.6	7	TURKEY
1.4	88	ADRIATIC SEA. ML 4.3 (TRI), 4.3 (KBA).
0.4	8	GREECE
1.6	5	OFF COAST OF NORTHERN PERU. Felt (III) at Trujillo.
0.2	9	GERMANY. ML 2.7 (GRF).
0.3	5	GERMANY
0.3	10	GERMANY. ML 2.9 (GRF), 2.8 (KBA).
0.9	94	CENTRAL CHILE
0.6	5	GERMANY
0.1	9	GERMANY. ML 2.4 (GRF).
0.9	8	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (PAS).
0.6	6	YUGOSLAVIA. MD 2.8 (TTG).
0.3	9	GERMANY. ML 2.5 (GRF), 2.5 (FUR).
1.2	14	AFGHANISTAN-USSR BORDER REGION
1.3	8	SOUTHERN ITALY. ML 3.4 (KBA), 3.2 (TRI).
1.3	13	NORTHERN PERU
0.8	29	SOUTH OF MARIANA ISLANDS
1.0	11	SOUTH SANDWICH ISLANDS REGION
0.6	10	HEBGEN LAKE REGION. ML 2.0 (NEIS). Felt (II) at West Yellowstone, Montana.
1.1	7	DODECANESE ISLANDS
1.1	9	YUGOSLAVIA. MD 3.0 (TTG).
1.3	10	TONGA ISLANDS REGION
1.1	6	NEAR EAST COAST OF AUSTRALIA. ML 4.0 (COO), 3.9 (RMO). Damage to a house at Kilcoy. Felt (V) at Somerset Dam and (IV) at Esk, Toogoolawah and Woodford. Felt over an area of 2000 sq. km.
0.6	10	HEBGEN LAKE REGION. ML 3.0 (NEIS). Felt (III) at West Yellowstone, Montana.
0.9	10	HEBGEN LAKE REGION. ML 2.9 (NEIS). Felt (III) at West Yellowstone, Montana.
1.1	50	YUGOSLAVIA. MD 3.9 (TTG).
0.6	8	YUGOSLAVIA. MD 2.8 (TTG).
1.3	44	YUGOSLAVIA. MD 3.6 (TTG).
0.4	5	YUGOSLAVIA. MD 3.1 (TTG).
1.0	57	SOUTHERN ITALY
1.2	37	YUGOSLAVIA. MD 3.3 (TTG).
1.5	6	PYRENEES
0.8	6	ARAB REPUBLIC OF EGYPT
1.3	11	BURMA-INDIA BORDER REGION
1.3	73	YUGOSLAVIA. MD 3.8 (TTG).
	39	SOUTHERN ALASKA. <AGS-P>.
1.3	11	VANUATU ISLANDS
0.6	5	GERMANY
1.3	14	ALBANIA. MD 3.3 (TTG).
1.4	11	YUGOSLAVIA. MD 2.9 (TTG).
0.9	20	PYRENEES. ML 3.4 (LDG). Felt (III) at Roncesvalles, Spain.
1.0	83	NEAR EAST COAST OF KAMCHATKA
0.9	7	NEW BRITAIN REGION
1.2	21	EASTER ISLAND REGION
	24	CENTRAL ALASKA. <AGS-P>.
1.4	26	BONIN ISLANDS REGION
0.3	9	GREECE
1.3	9	BULGARIA
0.4	5	GERMANY. ML 2.8 (GRF).
0.4	6	BULGARIA
1.0	17	SOUTHERN SUMATERA
0.7	32	SOUTH OF FIJI ISLANDS
0.9	19	SOUTHERN BOLIVIA
0.8	8	SOUTH PACIFIC CORDILLERA
1.0	33	MINAHASSA PENINSULA
1.2	12	TYRRHENIAN SEA
0.7	17	YUGOSLAVIA. MD 3.2 (TTG).
1.2	11	POLAND. ML 3.6 (VKA), 3.6 (GRF), 3.5 (VKA).
0.8	7	SOUTHERN ITALY
1.1	34	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa.
1.0	7	REPUBLIC OF SOUTH AFRICA
0.3	8	YUGOSLAVIA. ML 2.8 (TTG).
1.2	30	YUGOSLAVIA. MD 3.5 (TTG).
1.3	12	GULF OF CALIFORNIA
0.9	23	VANUATU ISLANDS
0.8	22	NORTH ATLANTIC RIDGE
1.2	6	NORTHERN CHILE
0.3	6	LEEWARD ISLANDS. ML 3.1 (PDF).
1.0	155	TIBET. Felt at Kathmandu, Nepal.
0.1	8	GERMANY. ML 2.5 (GRF).
1.3	102	YUGOSLAVIA. MD 4.3 (TTG). Felt (IV) at Titograd.
1.3	12	SOUTH OF KERMADEC ISLANDS
0.9	48	BONIN ISLANDS REGION
0.6	8	LEEWARD ISLANDS. ML 2.9 (PDF).
1.1	31	JAN MAYEN ISLAND REGION
1.2	29	JAN MAYEN ISLAND REGION
1.5	34	JAN MAYEN ISLAND REGION
1.2	30	JAN MAYEN ISLAND REGION
	3	SOUTHERN ONTARIO. <OTT-P>. mbLg 3.3 (OTT). Felt (IV) at Pembroke and Lockaley. Also felt at Petawawa.
0.9	19	YUGOSLAVIA. MD 3.5 (TTG).
	29	SOUTHERN ALASKA. <AGS-P>.

	10	11	07	38.8	85.214	N	12.873	E	10	G	4.8	3.8	1.0	29	NORTH OF SVALBARD
	10	11	18	04.9*	15.874	S	74.640	W	72	*	4.9		1.2	20	NEAR COAST OF PERU
	10	12	11	48.17	28.86	N	140.41	E	30	?			1.1	13	BONIN ISLANDS REGION
	10	12	13	57.7	37.444	N	118.884	W	5	G			0.8	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (PAS).
	10	13	20	09.2	33.028	N	137.986	E	342		4.4		0.8	34	NEAR S. COAST OF HONSHU, JAPAN
	10	14	27	28.5*	5.942	S	104.855	E	33	N	4.8		1.4	24	SOUTHERN SUMATERA
	10	16	05	07.17	33.86	S	72.06	W	10	G			1.3	13	OFF COAST OF CENTRAL CHILE. Felt (II) at Santiago.
	10	16	19	57.8	42.304	N	10.986	E	10	G			0.9	6	YUGOSLAVIA
	10	17	52	06.7*	36.766	N	141.252	E	54	*	4.2		1.2	18	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Onahama and Mito.
	10	19	12	46.7	45.473	N	15.895	E	10	G			1.3	10	YUGOSLAVIA. ML 3.4 (KBA), 3.9 (TRI). Felt at Glina.
	10	21	13	03.3*	36.370	N	71.067	E	204	?	4.3		0.9	9	AFGHANISTAN-USSR BORDER REGION
e	10	22	16	22.7*	52.989	S	9.517	E	10	G	5.2	5.0	1.3	35	SOUTHWEST OF AFRICA
	10	22	52	29.7%	40.585	N	29.975	E	10	G			1.1	5	TURKEY
	10	22	56	29.6	50.289	N	12.395	E	10	G			0.8	6	GERMANY
	10	23	00	11.0	0.127	N	121.944	E	227	*	4.9		1.0	46	MINAHASSA PENINSULA
	11	00	40	00.3	42.307	N	19.874	E	10	G	4.6		1.1	13	YUGOSLAVIA. MD 3.2 (TTG).
	11	00	45	00.9*	11.766	S	118.100	E	33	N	4.2		1.0	6	SOUTH OF SUMBAWA ISLAND
	11	01	23	15.7	50.232	N	12.425	E	10	G			0.3	7	GERMANY. ML 2.6 (FUR), 2.5 (GRF).
	11	01	35	38.6*	27.029	S	66.191	W	10	G			0.5	6	CATAMARCA PROVINCE, ARGENTINA
	11	02	30	42.47	16.91	N	99.48	W	33	N	3.6		0.7	7	NEAR COAST OF GUERRERO, MEXICO
	11	03	29	28.7*	15.513	S	70.332	W	236	*	4.0		0.6	11	SOUTHERN PERU
	11	05	13	40.1	13.737	S	166.416	E	33	N	5.5		1.3	61	VANUATU ISLANDS
	11	05	27	18.3*	13.735	S	166.446	E	33	N	5.4		1.3	40	VANUATU ISLANDS
	11	06	26	45.9	13.690	S	166.392	E	33	N	5.2		1.4	45	VANUATU ISLANDS
	11	07	23	37.4	50.254	N	12.375	E	10	G			1.1	7	GERMANY. ML 2.5 (GRF).
	11	07	26	13.9	13.795	S	166.446	E	33	N	5.3		1.2	55	VANUATU ISLANDS
	11	07	43	31.57	18.67	N	108.22	W	10	G	4.2		1.4	14	REVILLA GIGEDO ISLANDS REGION
	11	08	01	44.5	39.425	N	24.158	E	10	G			0.7	10	AEGEAN SEA. ML 3.1 (ATH).
	11	08	02	25.5&	60.108	N	153.495	W	149					28	SOUTHERN ALASKA. <AGS-P>.
	11	08	33	57.0*	42.252	N	19.849	E	10	G			1.5	5	YUGOSLAVIA
	11	09	09	51.7*	13.930	S	166.283	E	33	N	4.3		0.8	8	VANUATU ISLANDS
	11	09	37	13.9	42.303	N	19.869	E	10	G			1.1	12	YUGOSLAVIA. MD 2.8 (TTG).
	11	09	52	05.3&	38.788	N	122.767	W	3	G				11	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	11	09	56	23.3&	59.405	N	151.949	W	50					32	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	10	02	31.07	14.57	S	173.39	W	10	G	4.4		1.5	28	SAMOA ISLANDS REGION
	11	10	04	17.0*	26.111	N	140.686	E	33	N	5.3		1.2	9	BONIN ISLANDS REGION
	11	10	46	51.5	13.750	S	166.391	E	33	N	5.2	4.7	1.3	66	VANUATU ISLANDS
	11	11	00	55.0	13.775	S	166.351	E	33	N	4.9		1.3	41	VANUATU ISLANDS
	11	11	24	49.0	13.770	S	166.488	E	33	N	5.3		1.2	48	VANUATU ISLANDS
e	11	12	31	14.2	13.810	S	166.434	E	33	N	5.3	5.2	1.3	67	VANUATU ISLANDS
	11	13	30	28.0&	47.700	N	70.180	W	18	G				7	SOUTHERN QUEBEC. <OTT-P>. mbLg 4.0 (OTT). Felt in the La Malbaie area.
	11	13	50	12.8	7.179	S	129.449	E	128		5.1		1.2	73	BANDA SEA
	11	14	12	04.3	32.218	S	71.663	W	79	*			0.7	19	NEAR COAST OF CENTRAL CHILE
	11	14	15	25.7?	32.64	S	179.39	W	33	N	4.6		1.6	7	SOUTH OF KERMADEC ISLANDS
	11	15	01	05.6	42.618	N	15.370	E	20		4.0		1.2	75	ADRIATIC SEA. ML 4.9 (TRI), 4.7 (KBA), 4.5 (TTG).
	11	15	37	08.5	42.334	N	19.923	E	4				1.1	25	YUGOSLAVIA. ML 3.2 (PVY).
e	11	19	42	21.9	9.505	S	77.512	W	39	*	5.3		1.1	60	PERU. One person killed, about 20 houses destroyed, another 60 damaged and about 100 people homeless in the Huarmey area. About 40 animals killed by landslides. Felt (IV) at Casma and Huaraz and (II) at Chimbote.
	11	19	48	43.6	20.142	S	71.388	W	33	N	5.1		1.1	17	OFF COAST OF NORTHERN CHILE
	11	20	31	35.6*	11.198	S	123.145	E	71	?	4.3		1.3	10	SOUTH OF TIMOR
	11	21	54	54.7*	62.410	N	124.217	W	10	G			0.5	7	NORTHWEST TERRITORIES, CANADA
	11	22	59	47.1*	19.668	S	175.988	W	272	*	4.8		1.1	28	TONGA ISLANDS
	11	23	36	15.9?	39.62	N	28.83	E	10	G			1.7	5	TURKEY
	12	00	00	56.9?	43.29	N	16.39	E	10	G			1.3	5	YUGOSLAVIA. ML 2.9 (KBA).
	12	01	09	48.0*	24.281	S	68.088	W	165	*			1.0	10	CHILE-ARGENTINA BORDER REGION
	12	01	14	19.1*	42.662	N	15.595	E	10	G			1.4	10	ADRIATIC SEA. ML 3.3 (KBA).
	12	01	29	46.4?	42.94	N	15.98	E	10	G			1.3	6	ADRIATIC SEA. ML 3.7 (KBA).
	12	01	44	00.3?	43.08	N	16.04	E	10	G			1.4	7	YUGOSLAVIA. ML 3.3 (KBA).
	12	02	00	14.6	41.251	N	24.070	E	10	G			1.0	9	GREECE-BULGARIA BORDER REGION
	12	03	10	35.4*	43.202	N	20.929	E	10	G			0.6	6	YUGOSLAVIA
	12	04	00	26.7?	68.32	N	163.26	W	15	G			1.7	5	ALASKA
	12	04	53	06.5	33.845	N	135.387	E	64		4.7		0.8	24	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Wakayama and Shionomisaki.
	12	04	56	40.9*	27.143	S	63.364	W	572	*			0.9	15	SANTIAGO DEL ESTERO PROV., ARG.
	12	06	22	28.1*	28.184	N	140.382	E	33	N	4.8		1.5	9	BONIN ISLANDS REGION
e	12	06	38	20.5	3.881	S	79.484	W	96		5.5		1.1	108	NEAR COAST OF ECUADOR. Felt (III) at Piura, Peru. Also felt at Paita, Peru.
	12	07	13	18.2	1.392	S	121.893	E	33	N	4.8		0.9	27	SULAWESI
	12	09	41	48.4&	35.338	N	118.520	W	3					7	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	12	09	54	20.0*	36.752	N	26.879	E	154	?	3.4		0.5	9	DODECANESE ISLANDS
	12	11	05	30.3	6.301	S	131.213	E	33	N	4.9		1.3	30	TANIMBAR ISLANDS REGION
	12	11	20	14.0&	37.323	N	121.713	W	6					13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	12	12	59	16.87	9.84	S	78.28	W	33	N			1.2	6	NEAR COAST OF NORTHERN PERU. Felt (IV) at Huaraz.
e	12	14	00	55.0*	36.011	S	102.215	W	10	G	5.1	4.7	1.1	37	SOUTHERN PACIFIC OCEAN
	12	14	03	21.3	42.286	N	19.982	E	10	G			1.3	22	YUGOSLAVIA. MD 3.3 (TTG).
	12	14	44	06.5?	43.58	N	14.94	E	10	G			1.4	7	ADRIATIC SEA. ML 3.3 (KBA).
	12	15	17	46.4*	31.884	S	68.185	W	10	G			1.7	6	SAN JUAN PROVINCE, ARGENTINA
	12	16	51	22.6*	17.976	N	101.986	W	33	N	5.1		1.4	43	NEAR COAST OF GUERRERO, MEXICO
	12	18	30	44.0	50.214	N	12.424	E	10	G			0.3	9	GERMANY. ML 2.4 (GRF).
	12	19	04	10.9*	41.784	N	19.398	E	10	G			1.2	11	ALBANIA. MD 2.6 (TTG).
	12	19	15	27.3*	20.913	S	68.890	W	33	N			1.4	5	CHILE-BOLIVIA BORDER REGION
e	12	20	14	52.8	34.151	N	69.544	E	25	*	5.4	5.7	1.1	194	AFGHANISTAN. Felt strongly in the Kabul area. Felt at Peshawar, Pakistan.
	12	21	04	24.1	46.842	N	13.321	E	10	G			1.0	34	AUSTRIA. MD 4.0 (KBA), 3.5 (TRI). ML 3.8 (FUR), 3.5 (LDG), 3.4 (VKA). Felt (V) at Koberid, Yugoslavia. Felt (IV) in the Cividale del Friuli area and (III) at Udine, Italy.
	12	21	46	07.4?	20.10	S	70.37	W	33	N			1.0	5	NEAR COAST OF NORTHERN CHILE
	12	21	46	50.0?	46.44	N	153.00	E	33	N	4.3		1.4	6	KURIL ISLANDS

	12	22 38 58.2	42.350 N	19.883 E	10 G				1.4	6	YUGOSLAVIA. ML 2.6 (TTG).
	12	23 43 17.1	48.554 N	155.279 E	33 N	4.8			0.9	41	KURIL ISLANDS
	13	00 31 27.8•	10.241 N	126.212 E	33 N	4.8			0.9	12	PHILIPPINE ISLANDS REGION
	13	02 31 27.87	22.22 S	70.33 E	10 G	4.8			0.9	6	MID-INDIAN RISE
	13	02 59 57.0&	60.784 N	152.481 W	115					23	SOUTHERN ALASKA. <AGS-P>.
	13	03 15 24.3	37.248 N	4.248 W	33 N				1.4	12	SPAIN. MW 3.5 (NDD).
	13	03 34 15.2•	10.511 N	86.238 W	33 N	4.8	4.4		1.3	24	OFF COAST OF COSTA RICA
	13	05 29 33.07	20.26 S	71.27 W	33 N				0.2	5	OFF COAST OF NORTHERN CHILE
	13	07 24 02.5%	39.523 N	27.688 E	10 G				1.0	5	TURKEY
	13	07 47 35.0•	27.988 N	140.756 E	33 N	4.9			0.5	10	BONIN ISLANDS REGION
	13	07 48 23.5•	28.101 N	140.711 E	33 N	4.8			1.1	14	BONIN ISLANDS REGION
	13	07 53 31.7	42.442 N	15.189 E	10 G				0.8	19	ADRIATIC SEA. MD 4.2 (TRI), ML 4.0 (KBA).
	13	08 12 59.1&	62.352 N	151.168 W	85					32	CENTRAL ALASKA. <AGS-P>.
	13	08 30 01.4•	7.173 S	120.425 E	580 ?	4.3			0.7	9	FLORES SEA
	13	08 39 12.1?	16.50 S	174.82 W	300 •	4.5			1.4	10	TONGA ISLANDS
	13	08 39 38.7•	5.716 S	154.126 E	33 N				1.9	5	SOLOMON ISLANDS
	13	08 42 23.9	24.778 N	122.956 E	10 G	5.0			1.2	35	TAIWAN REGION
	13	09 17 12.4•	19.826 S	66.853 W	33 N				0.6	5	SOUTHERN BOLIVIA
	13	09 27 38.7•	24.783 N	122.919 E	10 G	4.8			0.4	8	TAIWAN REGION
	13	10 47 50.8	31.298 S	69.179 W	110 D	4.5			1.0	20	SAN JUAN PROVINCE, ARGENTINA
	13	11 57 18.8	23.475 N	123.894 E	23 D	5.2	5.2		1.3	81	SOUTHWESTERN RYUKYU ISLANDS
	13	12 32 04.8&	41.715 N	111.665 W	5					12	UTAH. <SLC>. ML 3.2 (SLC). Felt (IV) at Logan and (II) at Riverside.
	13	12 36 22.0•	5.747 S	153.644 E	33 N	3.8			0.3	5	NEW IRELAND REGION
	13	12 41 17.4?	9.02 S	160.41 E	33 N	3.5			0.6	4	SOLOMON ISLANDS. Felt (III) at Honiara.
	13	12 50 38.8?	46.39 N	12.84 E	10 G				1.4	4	NORTHERN ITALY. ML 2.1 (KBA).
	13	13 48 04.7	41.244 N	19.485 E	26 D	4.8			1.4	84	ALBANIA. MD 4.3 (TTG).
	13	17 42 40.1	4.957 S	153.531 E	39 D	5.1			1.0	69	NEW IRELAND REGION
	13	19 22 47.1?	20.32 S	71.23 W	33 N				1.9	6	OFF COAST OF NORTHERN CHILE
	13	19 59 24.7	40.971 N	19.898 E	10 G	3.6			1.0	29	ALBANIA. MD 3.5 (TTG).
	13	21 07 28.5•	67.308 N	161.240 W	15 G				1.2	7	ALASKA. ML 3.1 (PMR).
	13	22 09 53.1	37.661 N	22.467 E	77 •	4.0			1.0	34	SOUTHERN GREECE
	13	22 58 24.6	14.175 N	88.787 E	10 G	4.9			1.0	18	BAY OF BENGAL
	13	23 22 35.5	1.326 S	121.117 E	33 N	5.1			1.1	56	SULAWESI
	13	23 38 33.4•	44.345 N	147.785 E	33 N	4.7			0.8	19	KURIL ISLANDS
	13	23 53 55.0	28.227 N	140.657 E	33 N	4.7			1.2	22	BONIN ISLANDS REGION
	14	00 26 24.1	13.440 N	44.869 W	10 G	5.0	4.0		0.9	22	NORTH ATLANTIC RIDGE
	14	00 28 24.8?	13.92 N	44.56 W	10 G				0.7	7	NORTH ATLANTIC RIDGE
	14	00 38 10.7•	24.155 S	114.298 E	10 G				0.8	8	WESTERN AUSTRALIA
	14	01 50 38.1	44.618 N	111.028 W	5 G				1.1	8	HEBGEN LAKE REGION. ML 2.9 (NEIS). Felt (II) at Madison Junction, Yellowstone National Park.
e	14	03 03 37.4	36.341 N	71.024 E	245	5.2			1.0	225	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog, Nurek, Dushanbe, Obigarm, Kulyab and Dzhirgatal and (II) at Samarkand and Toshkent, USSR. Also felt at Srinagar, Kashmir and in the Peshawar-Islamabad area, Pakistan.
	14	03 07 54.9&	36.563 N	121.283 W	7					20	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt in Monterey County.
	14	03 09 36.3&	36.572 N	121.285 W	7	5.0				46	CENTRAL CALIFORNIA. <BRK>. ML 4.7 (BRK). Mo=9.1•10••22 (BRK). Felt (IV) at Chualar, Coulterville, Davenport, Greenfield, Hollister, Lockwood, Pacific Grove, Paicines, Redwood Estates, San Ardo, Salinas, San Juan Bautista, Santa Cruz and Soledad. Felt (III) at Aromas, Castroville, Felton, Half Moon Bay, King City, La Selva Beach, Moss Landing and Seaside.
	14	04 51 30.1	42.288 N	19.933 E	10 G				1.2	18	YUGOSLAVIA. MD 3.2 (TTG).
	14	05 07 08.3	14.904 N	119.786 E	47 •	4.9			1.4	30	LUZON, PHILIPPINE ISLANDS
	14	05 35 47.9&	36.568 N	121.282 W	6					10	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	14	05 45 13.8•	34.384 N	24.584 E	33 N	4.8			1.3	10	CRETE
	14	06 41 28.8	42.237 N	19.896 E	10 G				1.3	11	YUGOSLAVIA. MD 3.0 (TTG).
	14	07 48 40.9&	58.258 N	152.980 W	73					11	KODIAK ISLAND REGION. <AGS-P>.
	14	08 20 13.9&	60.222 N	152.294 W	81					35	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Homer.
	14	10 25 44.8	32.705 S	72.029 W	33 N	4.3			1.2	21	OFF COAST OF CENTRAL CHILE. Felt (II) at Santiago.
	14	10 33 51.0	6.431 S	154.949 E	66	5.2			1.1	80	SOLOMON ISLANDS. Felt (IV) at Arawa and Panguna, Bougainville.
	14	10 34 00.8•	7.144 S	155.182 E	33 N	5.6	4.7		1.1	30	SOLOMON ISLANDS
	14	11 57 48.8	24.625 N	123.025 E	33 N	5.1			0.9	22	SOUTHWESTERN RYUKYU ISLANDS
	14	12 03 36.5%	40.110 N	29.380 E	10 G				0.2	7	TURKEY
	14	13 13 17.2	18.620 S	64.955 W	33 N				1.0	9	BOLIVIA. Felt (V) at Sucre.
	14	13 33 24.7	45.480 N	15.958 E	10 G				1.3	10	YUGOSLAVIA. ML 3.4 (KBA), 3.1 (TRI). Felt (V) at Glina.
	14	14 13 54.4•	32.709 S	71.734 W	33 N				1.3	11	NEAR COAST OF CENTRAL CHILE
	14	14 31 20.2•	24.251 S	67.303 W	189 •				0.8	8	CHILE-ARGENTINA BORDER REGION
	14	16 03 52.0	14.492 S	75.552 W	50	4.6			0.8	30	NEAR COAST OF PERU. Felt (IV) at Ica and (III) at Nazca. Also felt at Palpa.
	14	16 19 12.3	38.358 N	23.624 E	10 G				1.3	11	GREECE. ML 3.3 (ATH).
	14	16 46 29.4	44.655 N	111.052 W	5 G				0.6	9	HEBGEN LAKE REGION. ML 3.2 (NEIS). Felt (II) at West Yellowstone, Montana.
	14	18 02 56.8•	38.307 N	23.582 E	10 G				1.4	8	GREECE. ML 3.2 (ATH).
	14	18 12 58.1&	60.710 N	143.155 W	22					15	SOUTHERN ALASKA. <AGS-P>.
	14	18 56 30.6	24.783 N	122.955 E	36 •	5.1			1.0	27	TAIWAN REGION
	14	19 05 06.4	24.823 N	122.976 E	33 N	5.1			0.9	32	TAIWAN REGION
	14	19 41 05.6	52.578 N	175.994 W	159	4.8			0.9	37	ANDREANOF ISLANDS, ALEUTIAN IS.
	14	20 26 24.8•	32.047 S	71.488 W	33 N				0.7	12	NEAR COAST OF CENTRAL CHILE
	14	22 27 46.6•	7.912 N	78.298 W	33 N				1.4	5	PANAMA
	14	22 54 36.3•	36.148 N	141.880 E	33 N				0.7	10	NEAR EAST COAST OF HONSHU, JAPAN
	14	23 14 37.8	23.418 S	66.704 W	219	4.8			1.5	60	JUJUY PROVINCE, ARGENTINA
	14	23 26 28.4•	29.266 S	67.491 W	33 N				1.2	7	LA RIOJA PROVINCE, ARGENTINA
	15	00 55 22.6•	36.851 N	2.978 W	33 N				1.0	5	STRAIT OF GIBRALTAR
	15	01 00 33.3•	60.585 N	149.889 W	10 G				0.1	5	ALASKA. ML 3.3 (PMR).
	15	01 20 30.7•	27.973 N	140.627 E	33 N	4.4			1.5	13	BONIN ISLANDS REGION
	15	01 21 02.3?	66.20 N	150.10 W	10 G				1.2	6	ALASKA. ML 3.3 (PMR).
	15	01 40 18.3	46.191 N	12.453 E	9				0.4	10	NORTHERN ITALY. ML 2.8 (TRI), 2.6 (KBA).
	15	01 44 13.5	46.356 N	2.744 E	10 G				1.0	12	FRANCE. ML 2.9 (LDG).

	15	02	13	26.0•	38.375	N	23.841	E	10	G		0.1	7	GREECE. ML 2.9 (ATH).
	15	04	29	53.2&	59.538	N	152.907	W	91				29	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Homer.
	15	04	43	37.3	24.794	N	123.963	E	33	N	4.8	1.1	21	SOUTHWESTERN RYUKYU ISLANDS
	15	05	49	49.9	38.389	N	23.885	E	7			1.2	13	GREECE. ML 3.4 (ATH).
	15	06	05	43.2	38.344	N	23.857	E	23		4.3	0.9	29	GREECE. ML 4.4 (ATH). Felt at Oropos.
	15	06	28	05.0•	66.312	N	149.712	W	10	G		1.0	6	ALASKA. ML 3.4 (PMR).
	15	07	25	39.6•	66.574	N	149.876	W	10	G		0.9	7	ALASKA. ML 3.2 (PMR).
	15	10	41	58.5•	61.836	N	124.785	W	10	G		1.5	5	NORTHWEST TERRITORIES, CANADA
	15	11	37	35.1•	6.951	N	76.526	W	33	N	4.1	1.5	16	NORTHERN COLOMBIA
	15	17	30	26.2	24.888	N	122.968	E	33	N	4.9 4.4	1.2	27	TAIWAN REGION
	15	18	53	32.97	42.46	N	14.13	E	10	G		1.0	7	CENTRAL ITALY. ML 3.5 (KBA).
	15	19	50	51.8•	6.177	S	147.471	E	33	N		0.7	7	EAST PAPUA NEW GUINEA REGION
	15	20	17	31.4	21.369	S	170.327	E	146		6.0	1.2	349	LOYALTY ISLANDS REGION
f	15	20	17	42.7•	21.277	S	170.102	E	150	G	6.2	1.2	30	LOYALTY ISLANDS REGION. mb 6.6 (PAS). Felt (IV) on Tana and (II) at Port Vila, Vanuatu Islands. Also felt (II) at Noumea, New Caledonia.
	15	21	10	17.1•	44.625	N	110.920	W	5	G		0.5	7	YELLOWSTONE NATIONAL PARK, WYO. ML 2.8 (NEIS). Felt (II) at West Yellowstone, Montana.
	15	21	22	40.5&	60.132	N	139.466	W	1				7	SOUTHEASTERN ALASKA. <AGS-P>.
	15	21	27	33.4•	39.714	N	19.364	E	15		3.9	1.0	26	GREECE-ALBANIA BORDER REGION. ML 3.6 (TIR).
	15	21	38	51.7•	43.651	N	2.659	E	10	G		0.1	5	FRANCE. ML 2.9 (LDG).
	15	22	11	15.07	34.99	S	114.22	E	10	G		0.9	7	WESTERN AUSTRALIA
	15	22	19	16.8	43.520	N	2.988	E	10	G		1.2	23	FRANCE. ML 3.7 (LDG).
	16	00	02	40.9•	24.753	N	122.815	E	33	N	4.6	1.1	13	TAIWAN REGION
	16	00	52	05.9	40.131	N	25.866	E	23			1.3	24	AEGEAN SEA
	16	00	55	06.3•	19.993	S	70.856	W	33	N	4.7	1.4	10	NEAR COAST OF NORTHERN CHILE
	16	00	59	05.1%	60.684	N	4.123	E	10	G		0.3	5	SOUTHERN NORWAY. MD 2.2 (BER).
	16	01	32	03.37	44.13	N	13.02	E	10	G		0.9	9	ADRIATIC SEA. ML 3.6 (KBA).
	16	01	42	32.4	19.830	S	70.599	W	33	N	4.8	1.2	29	NEAR COAST OF NORTHERN CHILE
	16	02	01	58.4•	44.447	N	114.232	W	5	G		0.6	8	WESTERN IDAHO. ML 3.1 (NEIS).
	16	02	10	37.3	40.015	N	19.482	E	16		3.9	1.1	23	ALBANIA. ML 3.8 (TIR).
	16	04	23	38.5	38.368	N	23.988	E	10	G	3.8	1.3	24	GREECE. ML 3.7 (ATH).
	16	04	53	16.6	42.328	N	19.878	E	10	G		0.9	9	YUGOSLAVIA. MD 2.6 (TTG).
e	16	05	08	32.4	5.936	N	126.074	E	83		5.4	1.3	125	MINDANAO, PHILIPPINE ISLANDS
	16	05	40	40.0•	38.339	N	24.096	E	10	G		0.8	9	AEGEAN SEA. ML 3.1 (ATH).
	16	06	15	41.0	42.350	N	19.984	E	11			0.5	9	YUGOSLAVIA. MD 2.8 (TTG).
	16	07	03	20.9•	17.029	S	73.502	W	33	N	4.3	1.3	16	OFF COAST OF PERU
	16	07	41	51.9•	27.973	N	141.068	E	33	N	4.9	1.1	10	BONIN ISLANDS REGION
	16	07	52	10.2	42.395	N	19.845	E	10	G		1.1	7	YUGOSLAVIA. MD 2.6 (TTG).
e	16	08	34	43.7	29.882	N	138.662	E	436		5.2	0.9	195	SOUTH OF HONSHU, JAPAN
	16	09	38	47.4&	38.428	N	122.645	W	5				8	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt (IV) at Santa Rosa.
	16	10	26	09.8•	28.011	N	140.967	E	33	N	4.6	0.8	9	BONIN ISLANDS REGION
	16	10	29	47.9•	44.593	N	111.075	W	5	G		1.6	9	HEBGEN LAKE REGION. ML 3.4 (NEIS). Felt (III) at Madison Junction, Yellowstone National Park.
	16	10	32	55.3•	24.741	N	122.848	E	33	N	4.7	1.3	16	TAIWAN REGION. Felt on Taiwan.
	16	11	06	27.4•	28.027	N	140.719	E	33	N	4.9	1.0	17	BONIN ISLANDS REGION
	16	11	11	59.8	28.093	N	140.782	E	33	N	5.1	1.0	50	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
	16	11	22	38.3•	28.224	N	140.587	E	33	N	4.7	1.4	20	BONIN ISLANDS REGION
	16	11	35	37.4•	24.386	N	125.517	E	84		4.8	0.8	15	SOUTHWESTERN RYUKYU ISLANDS
	16	12	19	50.57	51.84	N	16.62	E	10	G		0.5	8	POLAND. ML 3.4 (VKA).
	16	12	41	28.97	45.55	N	7.57	E	10	G		1.4	6	NORTHERN ITALY
	16	12	50	03.3•	27.987	N	140.896	E	33	N	5.1	0.9	9	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
a	16	13	04	31.3	24.771	N	122.013	E	13		5.5 5.8	1.2	170	TAIWAN REGION. Four people injured on Taiwan. Felt strongly at Taipei.
e	16	14	00	07.5•	4.167	S	104.475	W	10	G	4.7 4.9	1.5	37	NORTHERN EASTER I. CORDILLERA
	16	14	28	16.1•	28.076	N	140.884	E	33	N	5.3	1.1	22	BONIN ISLANDS REGION
	16	14	36	36.1&	61.489	N	146.537	W	28				44	SOUTHERN ALASKA. <AGS-P>. ML 4.0 (PMR). Felt (IV) at Valdez. Also felt at Anchorage, Cordova and Palmer.
	16	14	40	33.7•	62.228	N	123.572	W	10	G	4.1	1.4	7	NORTHWEST TERRITORIES, CANADA
	16	14	42	01.7	28.121	N	140.741	E	33	N	4.8 4.6	0.8	37	BONIN ISLANDS REGION
	16	15	24	29.5•	39.186	N	26.586	E	10	G		1.4	7	TURKEY
	16	15	43	46.4&	61.689	N	150.762	W	63				27	SOUTHERN ALASKA. <AGS-P>.
e	16	15	45	06.7	13.685	N	120.822	E	223		5.2	1.0	155	MINDORO, PHILIPPINE ISLANDS. Felt (III RF) at Puerto Galera. Also felt (III RF) at Bagac, Luzon.
	16	16	12	25.57	27.96	N	140.85	E	33	N		0.1	6	BONIN ISLANDS REGION
	16	17	27	24.0	27.933	N	140.742	E	33	N	4.9	1.0	22	BONIN ISLANDS REGION
	16	18	34	15.4•	42.359	N	15.113	E	10	G		0.7	10	ADRIATIC SEA. MD 3.9 (TRI).
	16	18	45	33.9	25.065	N	124.983	E	34	•	4.5	0.9	13	NORTHEAST OF TAIWAN
	16	18	53	06.5•	28.101	N	140.860	E	33	N		1.2	15	BONIN ISLANDS REGION
	16	19	05	22.0&	40.447	N	124.588	W	18				5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	16	20	49	27.8•	6.136	S	147.886	E	33	N	3.2	1.4	7	EAST PAPUA NEW GUINEA REGION
	16	20	50	45.1	24.658	N	123.109	E	18		4.6	1.0	17	SOUTHWESTERN RYUKYU ISLANDS
e	16	23	07	33.9	17.541	S	178.905	W	479		5.0	1.2	115	FIJI ISLANDS REGION
	16	23	33	32.5•	25.224	N	124.968	E	33	N	4.8	1.4	23	NORTHEAST OF TAIWAN
	16	23	52	24.67	43.96	N	15.69	E	10	G		1.5	7	ADRIATIC SEA. ML 2.8 (KBA). Felt (V) at Knin, Yugoslavia.
	17	00	09	52.6	25.161	N	124.942	E	27		4.7	1.0	21	NORTHEAST OF TAIWAN
	17	00	15	33.6•	7.323	N	77.354	W	33	N	4.5	1.3	9	PANAMA-COLOMBIA BORDER REGION
	17	00	17	20.77	41.38	N	13.77	E	10	G		1.1	7	SOUTHERN ITALY
	17	00	23	02.27	23.79	N	126.94	E	33	N	4.7	1.5	9	RYUKYU ISLANDS REGION. Felt (I JMA) on Miyako-jima.
	17	01	03	11.2	42.327	N	19.997	E	10	G		0.8	7	YUGOSLAVIA. ML 2.8 (TTG).
	17	01	03	15.3&	61.494	N	146.518	W	30				34	SOUTHERN ALASKA. <AGS-P>.
	17	01	31	04.0•	25.161	N	125.007	E	33	N	4.7	1.1	9	SOUTHWESTERN RYUKYU ISLANDS
	17	02	11	52.0	38.568	N	31.485	E	37		4.8	0.9	40	TURKEY
	17	03	10	29.7	43.555	N	2.494	E	10	G		0.7	8	FRANCE. ML 3.0 (LDG).
	17	04	08	30.3•	24.323	S	67.230	W	200	•		0.3	6	CHILE-ARGENTINA BORDER REGION
	17	04	15	00.3	10.729	S	78.434	W	52	D	5.5	1.0	114	NEAR COAST OF PERU. Felt (IV) at Huarmey, Chimbote and Huaraz. Felt (II) at Lima.
	17	04	45	19.2	10.298	N	138.583	E	45	•	4.5	1.0	27	WEST CAROLINE ISLANDS
	17	05	01	03.2	51.285	N	15.677	E	10	G		1.4	10	POLAND. ML 3.3 (VKA).
	17	05	31	30.0•	22.933	N	94.520	E	57	•	4.7	0.9	10	BURMA
	17	05	59	05.37	67.87	N	156.25	W	33	N		0.7	6	ALASKA. ML 3.4 (PMR).

	17	07 05 31.8	46.095 N	6.816 E	10 G				1.0	39	SWITZERLAND. ML 3.4 (LDG), 3.3 (KBA).
a	17	07 19 20.2*	24.009 S	175.844 W	33 N	5.2			1.4	46	SOUTH OF TONGA ISLANDS
	17	07 53 45.7	3.342 N	122.795 E	543	4.9			0.9	31	CELEBES SEA
	17	08 12 06.3*	28.362 N	140.534 E	33 N				0.7	6	BONIN ISLANDS REGION
	17	08 48 54.1*	5.505 S	148.853 E	33 N				1.5	6	NEW BRITAIN REGION
	17	09 51 26.6*	24.074 S	70.476 W	33 N	4.6			1.2	15	NEAR COAST OF NORTHERN CHILE
	17	10 38 03.5*	47.459 N	2.842 W	10 G				0.8	16	FRANCE. ML 2.9 (LDG).
	17	10 39 07.2	39.336 N	21.023 E	10 G	3.7			0.6	11	GREECE. ML 3.5 (TIR).
	17	11 33 23.8*	16.552 S	176.684 E	33 N	4.8			0.6	9	FIJI ISLANDS REGION
	17	11 34 59.1	40.147 N	24.068 E	10 G				0.7	10	AEGEAN SEA
	17	12 07 30.7	28.041 N	140.890 E	33 N	5.2			1.0	31	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
	17	13 32 45.1*	27.779 N	140.989 E	33 N				0.8	7	BONIN ISLANDS REGION
	17	13 40 10.8	31.360 S	69.252 W	121	4.8			0.9	20	SAN JUAN PROVINCE, ARGENTINA. Felt (IV) at San Juan.
	17	13 56 20.1*	32.330 N	141.653 E	33 N	4.4			0.4	10	SOUTH OF HONSHU, JAPAN
	17	14 09 18.3*	16.520 S	73.860 W	33 N	4.7			1.0	17	NEAR COAST OF PERU
	17	14 15 40.0?	23.56 S	176.06 W	126 ?	4.6			0.9	13	SOUTH OF FIJI ISLANDS
	17	15 45 55.1*	60.441 N	149.621 W	10 G				0.7	5	ALASKA. ML 3.1 (PMR).
	17	16 08 33.2*	27.944 N	140.908 E	33 N	4.8			1.3	20	BONIN ISLANDS REGION
	17	16 16 46.4*	25.167 N	124.873 E	33 N	4.6			1.3	11	NORTHEAST OF TAIWAN
	17	17 11 00.5*	27.940 N	140.846 E	33 N	4.8			1.2	16	BONIN ISLANDS REGION
	17	17 21 25.8*	28.285 S	178.337 W	226 *	4.7			1.2	27	KERMADEC ISLANDS REGION
	17	17 33 59.6*	5.001 S	152.741 E	33 N	4.2			1.2	6	NEW BRITAIN REGION
	17	17 49 04.7?	50.68 N	18.89 E	10 G				0.7	5	POLAND. ML 2.8 (KRA).
	17	17 52 01.6&	36.167 N	120.243 W	6					17	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK), 3.4 (PAS).
	17	18 48 02.8	44.353 N	7.385 E	10 G				0.4	16	NORTHERN ITALY. ML 3.0 (LDG).
	17	19 13 54.0*	50.991 N	156.053 E	33 N	4.7			0.8	33	KURIL ISLANDS
	17	20 27 18.8	44.279 N	6.325 E	12				1.3	45	FRANCE. ML 3.4 (LDG).
	17	20 32 12.5	42.301 N	19.939 E	10 G				0.7	12	YUGOSLAVIA. MD 2.9 (TTG).
	17	21 12 42.6?	30.64 S	72.47 W	33 N				1.1	6	OFF COAST OF CENTRAL CHILE
	17	21 36 37.8*	28 370 N	140.730 E	33 N	4.2			1.4	16	BONIN ISLANDS REGION
	17	21 58 38.0	37.522 N	118.634 W	5 G				0.8	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (PAS).
	17	22 09 59.5?	57.52 S	61.61 W	10 G	4.4			0.8	8	DRAKE PASSAGE
	17	22 47 50.0*	5.522 S	102.750 E	33 N	4.7			1.0	10	SOUTHERN SUMATERA
	17	22 51 27.5*	48.981 S	9.010 W	10 G	4.7 4.6			0.9	15	SOUTH ATLANTIC RIDGE
	17	22 54 32.2	42.345 N	19.957 E	10 G				1.2	12	YUGOSLAVIA. MD 2.9 (TTG).
	18	00 22 50.0*	41.776 N	14.245 E	10 G				1.5	7	SOUTHERN ITALY. ML 3.3 (KBA).
	18	00 26 28.0&	60.068 N	141.368 W	7					12	SOUTHEASTERN ALASKA. <AGS-P>.
	18	01 10 10.1&	60.291 N	153.043 W	128					29	SOUTHERN ALASKA. <AGS-P>.
	18	01 30 22.2*	15.991 N	61.896 W	33 N				0.5	6	LEEWARD ISLANDS. ML 2.3 (FDF).
o	18	01 59 01.6	51.553 N	173.109 W	33 N	5.8 5.3			0.9	306	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	04 36 29.3&	61.542 N	150.996 W	75					40	SOUTHERN ALASKA. <AGS-P>. Felt at Anchorage.
	18	05 03 59.7	42.269 N	19.946 E	10 G				0.8	10	YUGOSLAVIA. MD 2.8 (ULC).
	18	05 05 35.5&	61.545 N	151.023 W	75					32	SOUTHERN ALASKA. <AGS-P>.
	18	05 56 28.5?	37.58 N	139.09 E	33 N				1.6	6	HONSHU, JAPAN
	18	06 57 28.3	37.438 N	118.616 W	5 G				0.7	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (PAS).
	18	07 30 57.2	41.651 N	19.321 E	9				1.1	19	ALBANIA. MD 3.2 (TTG).
	18	07 44 49.8	21.092 N	95.603 E	33 N	5.1			1.2	97	BURMA
	18	07 56 23.4	15.475 S	167.472 E	147	5.2			1.2	125	VANUATU ISLANDS
	18	08 32 44.4	41.496 N	14.188 E	10 G				1.0	25	SOUTHERN ITALY. ML 3.7 (KBA).
	18	09 33 24.6*	18.141 S	69.443 W	141 *				1.5	10	NORTHERN CHILE
	18	10 17 29.1	37.268 N	121.619 W	5 G				0.6	13	CENTRAL CALIFORNIA. ML 2.7 (BRK).
	18	10 24 31.9&	60.154 N	153.289 W	137					24	SOUTHERN ALASKA. <AGS-P>.
	18	13 43 41.3*	46.398 N	27.546 W	10 G	4.2			1.2	23	NORTH ATLANTIC RIDGE
	18	15 44 00.5?	1.29 S	121.22 E	33 N	4.6			0.5	10	SULAWESI
	18	16 28 20.2?	5.53 N	95.44 E	33 N	4.3			1.1	8	NORTHERN SUMATERA
	18	16 29 32.8	42.347 N	20.026 E	10 G				0.6	10	YUGOSLAVIA. MD 2.7 (TTG).
	18	16 49 13.5	42.347 N	20.028 E	17 G				0.5	10	YUGOSLAVIA. MD 2.6 (TTG).
	18	16 49 38.4*	14.747 S	167.191 E	247 *	4.1			1.4	24	VANUATU ISLANDS
	18	17 58 08.9	18.346 N	101.241 W	33 N	4.9			0.8	58	GUERRERO, MEXICO
	18	18 36 10.2	40.308 N	28.806 E	10 G				0.8	8	TURKEY
	18	20 38 42.4&	36.260 N	120.240 W	6 G					9	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	18	21 37 12.8*	0.428 S	123.258 E	33 N	4.6			0.4	10	MINAHASSA PENINSULA
	18	22 17 55.0	36.271 N	70.918 E	33 N	4.1			1.3	9	HINDU KUSH REGION
	18	22 46 25.8*	14.688 N	60.784 W	33 N				0.7	7	WINDWARD ISLANDS. ML 2.8 (FDF).
	18	23 11 36.4*	31.280 S	67.667 W	33 N				1.3	5	SAN JUAN PROVINCE, ARGENTINA
	19	00 16 54.2	4.475 S	152.813 E	33 N	3.7			0.4	7	NEW BRITAIN REGION
	19	02 03 14.5	42.313 N	19.929 E	10 G				0.7	11	YUGOSLAVIA. MD 2.7 (TTG).
	19	04 15 12.8&	61.053 N	152.285 W	107					28	SOUTHERN ALASKA. <AGS-P>.
	19	04 49 33.1	6.024 N	95.351 E	33 N	4.6			1.1	17	NICOBAR ISLANDS REGION. Felt in the Sabang area, Indonesia.
	19	05 11 08.0*	3.894 N	32.128 W	10 G	4.9 4.7			1.2	31	CENTRAL MID-ATLANTIC RIDGE
	19	05 40 24.3*	5.817 N	95.051 E	33 N	4.4			1.3	10	NORTHERN SUMATERA
	19	06 29 56.0*	25.051 N	125.045 E	33 N	4.9			1.2	18	SOUTHWESTERN RYUKYU ISLANDS
	19	06 35 51.0	26.888 N	142.917 E	33 N	5.3			1.1	124	BONIN ISLANDS REGION. Felt (II JMA) on Chichi-shima.
	19	06 53 04.1?	21.00 N	85.17 E	33 N	4.4			1.5	8	INDIA
	19	06 54 36.4	46.172 N	7.638 E	10 G				0.8	26	SWITZERLAND. ML 3.1 (LDG).
	19	07 25 57.4	46.130 N	7.636 E	10				0.8	16	SWITZERLAND. ML 2.7 (LDG).
o	19	08 03 26.6	0.555 N	80.041 W	33 N	5.0 4.5			1.2	72	NEAR COAST OF ECUADOR
	19	09 24 33.9&	61.710 N	149.565 W	40					39	SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR).
	19	10 11 47.1&	59.729 N	152.308 W	63					45	SOUTHERN ALASKA. <AGS-P>. Felt at Homer.
	19	11 28 01.6?	14.81 N	93.90 W	33 N	4.1			1.2	12	NEAR COAST OF CHIAPAS, MEXICO
	19	13 17 32.9?	5.92 S	142.88 E	33 N	4.0			1.8	5	PAPUA NEW GUINEA
	19	14 45 47.2	30.810 N	70.458 E	33 N	4.9			1.3	46	PAKISTAN
	19	17 48 29.2*	28.285 N	140.562 E	33 N	4.5			1.5	20	BONIN ISLANDS REGION
	19	18 20 09.9?	6.62 S	129.75 E	33 N	4.5			1.5	7	BANDA SEA
	19	18 40 54.9	42.318 N	19.945 E	10 G				0.5	10	YUGOSLAVIA. MD 2.6 (TTG).
	19	19 35 00.1&	32.550 N	114.100 W	0					2	W. ARIZ. - MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	19	20 11 13.9	36.291 N	2.853 E	28				0.8	18	ALGERIA. MG 4.0 (MDD). Felt (III) at Blida.
	19	21 26 04.6%	40.850 N	28.687 E	10 G				0.2	6	TURKEY
	19	21 41 04.1?	44.44 N	15.81 E	10 G				0.9	6	YUGOSLAVIA. MD 3.1 (TRI). ML 2.9 (KBA).
	19	21 52 03.4*	15.955 N	60.598 W	27				0.3	12	LEEWARD ISLANDS. ML 3.1 (FDF).
	19	22 16 43.7?	31.25 S	68.48 W	33 N				1.5	5	SAN JUAN PROVINCE, ARGENTINA
	19	22 25 56.9*	31.305 N	141.550 E	33 N	4.8			1.2	28	SOUTH OF HONSHU, JAPAN

20	00	44	07.3?	3.53	S	128.92	E	33	N	4.9	1.3	8	CERAM
20	03	39	06.5•	28.115	N	140.630	E	33	N	4.8	1.6	23	BONIN ISLANDS REGION
20	03	41	43.6•	6.956	N	73.062	W	100	•		1.2	11	NORTHERN COLOMBIA
20	04	10	34.4	42.326	N	20.650	E	10	G		1.3	13	YUGOSLAVIA. MD 2.9 (TTG).
20	04	21	57.3•	41.687	N	19.433	E	10	G		1.4	7	ALBANIA. MD 2.4 (ULC).
20	04	31	34.5?	16.23	S	176.67	W	33	N		0.9	7	FIJI ISLANDS REGION
20	06	27	36.2	10.366	S	161.255	E	100	•	5.0	1.3	38	SOLOMON ISLANDS
20	07	19	22.9•	14.408	S	24.571	E	10	G	4.6	1.4	8	ZAMBIA
20	07	46	13.1•	32.368	S	122.521	E	10	G		1.1	10	WESTERN AUSTRALIA
20	08	20	41.4•	17.985	S	167.837	E	21	•	4.9 4.2	1.4	39	VANUATU ISLANDS
20	10	02	04.8%	38.228	N	30.850	E	10	G		1.1	5	TURKEY
20	10	16	40.6•	32.153	S	122.206	E	10	G		1.4	7	WESTERN AUSTRALIA
20	13	38	41.8	28.223	N	140.568	E	33	N	4.7	1.1	18	BONIN ISLANDS REGION
20	14	32	52.0•	31.248	N	142.832	E	33	N	4.3	1.2	11	SOUTH OF HONSHU, JAPAN
20	14	38	13.8	31.396	N	141.652	E	33	N	4.4	0.6	15	SOUTH OF HONSHU, JAPAN
20	14	54	51.1•	18.895	S	21.956	E	10	G	4.4	1.5	9	BOTSWANA REPUBLIC
20	16	29	23.6&	57.983	N	153.853	W	34				32	KODIAK ISLAND REGION. <AGS-P>.
20	16	54	22.8?	33.30	S	70.82	W	33	N		0.7	6	CHILE-ARGENTINA BORDER REGION. Felt (II) at Santiago, Chile.
20	19	28	20.8•	24.825	N	122.720	E	33	N	4.5	1.5	13	TAIWAN REGION
20	20	19	56.2	45.630	N	2.826	E	10	G		0.7	12	FRANCE. ML 2.2 (LDG).
20	20	39	19.0&	61.738	N	147.329	W	28				43	SOUTHERN ALASKA. <AGS-P>. ML 2.9 (PMR).
20	21	09	21.9•	24.815	N	122.937	E	33	N	4.5	0.8	9	TAIWAN REGION
20	22	01	15.3	24.812	N	122.853	E	33	N	4.7	1.3	26	TAIWAN REGION
20	23	38	28.3	50.177	N	12.311	E	10	G	4.3	1.2	78	GERMANY. ML 5.0 (FUR), 4.9 (VKA), 4.8 (GRF), 4.8 (BGG), 4.6 (KOE). Slight damage (VI) at Selb. Felt (III) at Bamberg, Nuernberg and Regensburg. Felt (VI) in western Czechoslovakia.
20	23	43	59.0	50.261	N	12.414	E	10			0.3	9	GERMANY. ML 3.4 (VKA), 3.3 (FUR), 3.2 (KBA).
21	00	10	39.5	50.218	N	12.433	E	10	G		0.2	8	GERMANY. ML 2.5 (FUR), 2.4 (GRF).
21	00	12	06.3	50.264	N	12.418	E	10	G		0.2	6	GERMANY
21	00	19	23.3	50.279	N	12.404	E	10	G		0.3	6	GERMANY. ML 2.0 (GRF).
21	00	29	42.6•	50.228	N	12.431	E	10	G		0.5	5	GERMANY
21	00	54	19.9&	32.850	N	116.370	W	6	G			7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
21	01	04	27.0?	38.46	N	30.82	E	10	G		1.5	5	TURKEY
21	01	05	10.0	50.253	N	12 437	E	10	G		0.3	6	GERMANY
21	01	14	51.2	50.265	N	12.421	E	10	G		0.7	6	GERMANY
21	02	14	20.2	50.226	N	12.464	E	10	G		0.6	9	GERMANY. ML 2.9 (FUR), 2.5 (GRF), 3.3 (KBA), 3.4 (VKA).
21	02	24	51.9	50.252	N	12.425	E	10	G		0.2	8	GERMANY. ML 2.5 (FUR).
21	02	28	17.4	50.270	N	12.401	E	10	G		0.2	6	GERMANY
21	02	43	50.6•	50.254	N	12.413	E	10	G		0.2	5	GERMANY
21	03	06	43.3•	28.176	N	140.497	E	33	N	4.9	1.1	10	BONIN ISLANDS REGION
21	03	14	11.4	50.285	N	12.398	E	10	G		0.6	6	GERMANY
21	03	22	43.4	38.304	N	23.773	E	10	G	4.0	1.1	43	GREECE. Felt in the Athens area.
21	03	39	39.1	50.257	N	12.427	E	10	G		0.2	8	GERMANY. ML 3.1 (FUR).
21	03	48	21.9%	15.398	N	60.695	W	29			0.2	12	LEEWARD ISLANDS. ML 3.4 (FDF).
21	05	00	22.7	50.255	N	12.402	E	10	G		0.5	8	GERMANY. ML 2.0 (GRF).
21	05	05	20.4	50.267	N	12.412	E	10	G		0.2	6	GERMANY. ML 2.2 (GRF).
o 21	05	24	22.2	21.580	S	174.261	W	40	D	5.6 5.2	1.3	135	TONGA ISLANDS
21	05	40	43.7	50.234	N	12.433	E	10	G		0.3	6	GERMANY
21	05	41	19.7	50.259	N	12.433	E	10	G		0.6	10	GERMANY. ML 3.1 (FUR), 3.0 (GRF), 3.2 (KBA), 3.4 (VKA).
21	05	46	26.4?	36.90	N	23.39	E	87	?	4.0	1.2	11	SOUTHERN GREECE
21	09	29	26.9•	28.230	N	140.657	E	33	N	4.6	1.0	7	BONIN ISLANDS REGION
21	09	34	07.2•	3.637	N	126.628	E	74	?	4.8	1.2	29	TALAUD ISLANDS
21	09	48	31.3•	50.262	N	12.403	E	10	G		0.2	5	GERMANY
21	09	48	43.9	50.271	N	12.389	E	10	G		0.5	6	GERMANY
21	10	05	38.1•	24.546	N	122.642	E	33	N	4.5	0.9	9	TAIWAN REGION
21	11	57	31.3&	40.437	N	125.265	W	10				16	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK).
21	12	10	33.1%	40.113	N	29.314	E	10	G		0.6	7	TURKEY
21	12	21	05.1	50.248	N	12.438	E	10	G		0.4	6	GERMANY. ML 2.0 (GRF).
21	12	36	11.6%	40.882	N	29.313	E	10	G		0.6	7	TURKEY
21	15	12	41.6&	61.526	N	152.403	W	130				16	SOUTHERN ALASKA. <AGS-P>.
21	15	51	45.6•	62.241	N	124.399	W	10	G	3.6	1.2	9	NORTHWEST TERRITORIES, CANADA
21	16	17	33.6&	37.270	N	121.637	W	4				11	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
21	17	39	43.0	16.263	S	173.377	W	40	D	4.9	0.9	40	TONGA ISLANDS
21	17	41	22.2•	44.280	N	6.289	E	10	G		0.7	5	FRANCE. ML 2.6 (LDG).
21	18	14	48.3	42.404	N	18.898	E	10	G		1.4	6	YUGOSLAVIA. MD 2.5 (TTG).
21	18	22	30.9?	29.65	S	71.62	W	33	N		1.3	12	NEAR COAST OF CENTRAL CHILE
21	18	31	23.2&	61.277	N	151.471	W	78				23	SOUTHERN ALASKA. <AGS-P>.
21	19	04	05.5	50.250	N	12.403	E	10	G		0.5	6	GERMANY
21	19	12	29.8•	4.592	S	144.869	E	136	•	3.8	1.0	8	NEAR N COAST OF PAPUA NEW GUINEA
21	19	23	08.7?	23.95	S	176.87	W	33	N	4.7	0.6	10	SOUTH OF FIJI ISLANDS
21	20	07	30.8&	38.543	N	122.995	W	1				9	NORTHERN CALIFORNIA. <BRK>. ML 2.4 (BRK). Bottles reported to have been knocked from shelves at Guerneville liquor store.
21	20	22	00.4	50.321	N	12.408	E	29			0.7	13	GERMANY. ML 3.6 (FUR), 2.8 (GRF), 3.7 (VKA), 3.5 (KBA).
21	21	22	23.3•	42.245	N	19.990	E	10	G	4.9	1.3	6	YUGOSLAVIA. ML 2.9 (TIR).
21	22	10	05.7?	51.67	N	20.77	E	10	G		0.5	5	POLAND. ML 2.6 (KRA).
21	22	24	00.4	50.267	N	12.407	E	10	G		0.1	6	GERMANY
21	22	25	07.0	50.250	N	12.434	E	10	G		0.2	8	GERMANY. ML 1.9 (GRF), 2.6 (KBA).
21	23	47	30.5•	0.185	S	78.098	W	33	N		1.2	5	ECUADOR
22	00	00	34.8	50.212	N	12.432	E	10	G		0.5	8	GERMANY. ML 2.1 (GRF).
22	00	11	09.3•	50.258	N	12.424	E	10	G		0.3	5	GERMANY
22	00	26	15.2	48.737	N	7.915	E	10	G		0.6	6	FRANCE. ML 2.3 (LDG).
22	00	42	39.6	50.246	N	12.425	E	10	G		0.3	7	GERMANY. ML 2.4 (FUR), 2.0 (GRF).
22	00	45	42.1	40.243	N	22.596	E	10	G		0.3	6	GREECE
22	00	55	27.0?	50.27	N	12.40	E	10	G		0.4	4	GERMANY
22	02	01	16.2•	30.205	N	66.314	E	33	N	4.4	1.4	18	PAKISTAN
22	02	24	05.1%	14.999	N	60.343	W	33	N		0.7	11	WINDWARD ISLANDS. ML 2.5 (FDF).
22	02	43	56.7	31.430	S	68.842	W	116		4.5	0.8	28	SAN JUAN PROVINCE, ARGENTINA. Felt (III) at San Juan.
22	02	57	28.4•	50.163	N	12.518	E	10	G		1.3	5	GERMANY
22	03	01	32.6?	3.56	N	66.52	E	10	G	4.7	1.5	10	CARLSBERG RIDGE
22	03	21	38.3•	14.534	S	24.479	E	10	G	4.3	1.5	8	ZAMBIA

	22	03	25	45.5?	29.47	S	71.41	W	33	N		1.1	6	NEAR COAST OF CENTRAL CHILE
	22	03	43	53.8	28.385	N	140.597	E	10	G	4.7	1.3	29	BONIN ISLANDS REGION
	22	07	32	01.0•	13.622	S	73.047	W	57	•	4.5	1.6	14	PERU
	22	07	58	41.2•	35.690	N	68.715	E	33	N	4.2	1.2	12	HINDU KUSH REGION
	22	08	07	45.0?	70.92	N	0.84	E	10	G		1.5	8	NORWEGIAN SEA
	22	10	12	53.0	13.866	S	73.216	W	99	•	4.0	1.0	15	PERU. Felt (III) at Abancay.
	22	10	20	37.5•	13.998	S	73.388	W	118	?		0.9	9	PERU. Felt (II) at Abancay.
	22	10	29	35.1	50.246	N	12.426	E	10	G		0.3	7	GERMANY. ML 2.3 (GRF).
	22	11	50	24.5•	44.642	N	130.872	W	10	G	4.5	1.1	14	OFF COAST OF OREGON
	22	12	09	53.2?	15.68	N	95.01	W	33	N	4.2	1.4	15	NEAR COAST OF OAXACA, MEXICO
f	22	12	2[illegible]	45.4	10.199	S	161.906	E	95		6.0	1.0	281	SOLOMON ISLANDS. Felt at Honiara.
	22	13	11	47.3&	59.830	N	150.985	W	26				19	KENAI PENINSULA, ALASKA. <AGS-P>.
	22	13	19	56.3	36.437	N	3.229	W	10	G		0.8	10	STRAIT OF GIBRALTAR. MG 3.5 (MDD).
	22	13	53	13.7	46.153	N	7.543	E	10	G		1.4	18	SWITZERLAND. ML 2.8 (LDG).
	22	14	18	34.9?	50.27	N	12.40	E	10	G		0.2	4	GERMANY
e	22	14	57	13.0	0.467	S	124.366	E	59	D	5.7	1.2	204	MOLUCCA SEA
	22	15	09	49.1&	62.869	N	148.347	W	59				20	CENTRAL ALASKA. <AGS-P>.
	22	15	41	00.4%	40.812	N	27.926	E	10	G		0.6	8	TURKEY
	22	15	48	39.9	41.817	N	22.715	E	10	G		0.3	5	YUGOSLAVIA
	22	16	26	53.9&	33.690	N	119.130	W	6				12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS).
	22	16	57	45.6•	12.669	N	144.096	E	33	N		0.3	5	SOUTH OF MARIANA ISLANDS
	22	17	32	53.8•	12.649	N	144.252	E	33	N	4.8	1.3	13	SOUTH OF MARIANA ISLANDS
	22	19	37	36.9	42.331	N	19.981	E	10	G		0.7	7	YUGOSLAVIA. MD 2.8 (TTG).
	22	20	10	31.6	12.749	N	144.913	E	33	N	3.9	0.5	6	SOUTH OF MARIANA ISLANDS
	22	20	27	17.7?	38.79	N	23.98	E	10	G		0.2	5	GREECE
	22	20	38	24.1•	28.068	N	140.501	E	33	N	4.5	1.2	16	BONIN ISLANDS REGION
	22	20	47	05.9•	15.956	S	179.669	E	13		5.3	1.4	22	FIJI ISLANDS
	22	21	12	53.9	40.538	N	23.538	E	10	G		0.4	10	GREECE
	22	21	21	32.9&	59.875	N	153.484	W	127				20	SOUTHERN ALASKA. <AGS-P>.
	22	21	35	53.9	42.327	N	19.989	E	10	G		0.5	8	YUGOSLAVIA. MD 2.7 (TTG).
	23	00	48	44.4	36.582	N	121.200	W	5	G		0.9	15	CENTRAL CALIFORNIA. ML 2.7 (BRK).
	23	02	21	58.1	50.213	N	12.396	E	25			1.0	41	GERMANY. ML 4.5 (FUR), 4.2 (GRF), 4.3 (KBA), 4.7 (VKA), 4.1 (BNS). Felt (IV) at Selb and Rehau.
	23	02	30	52.6	50.241	N	12.433	E	10	G		0.3	6	GERMANY. ML 2.2 (GRF).
	23	02	35	53.3	14.985	N	93.521	E	33	N	4.5	0.9	11	ANDAMAN ISLANDS REGION
	23	02	38	45.6	50.251	N	12.418	E	10	G		0.2	6	GERMANY
	23	02	47	17.5•	50.264	N	12.403	E	10	G		0.2	5	GERMANY
	23	03	23	05.9•	50.266	N	12.398	E	10	G		0.5	5	GERMANY
	23	03	36	05.7•	50.252	N	12.431	E	10	G		0.3	8	GERMANY
	23	04	28	29.8	37.436	N	26.662	E	33	N		0.7	11	DODECANESE ISLANDS. ML 3.9 (ATH).
	23	04	30	59.3	31.468	S	68.283	W	10	•		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	23	04	45	54.8•	13.179	N	144.042	E	33	N	4.9	1.5	7	MARIANA ISLANDS
	23	05	51	03.0?	12.78	N	122.26	E	33	N	5.0	1.0	9	LUZON, PHILIPPINE ISLANDS
	23	05	57	16.3•	15.009	S	167.426	E	132	?	4.4	1.0	9	VANUATU ISLANDS
	23	07	09	13.8	50.196	N	12.431	E	10	G		1.0	6	GERMANY
	23	08	16	03.3•	52.298	N	160.310	E	33	N	4.8	1.1	16	OFF EAST COAST OF KAMCHATKA
	23	09	39	30.8&	62.403	N	151.493	W	104				25	CENTRAL ALASKA. <AGS-P>.
	23	10	21	33.5•	42.354	N	19.993	E	10	G		0.8	7	YUGOSLAVIA. ML 2.4 (TTG).
	23	12	04	58.7•	41.763	N	19.531	E	10	G		1.1	7	ALBANIA. ML 2.5 (TTG).
	23	12	59	15.8&	62.026	N	150.660	W	56				30	CENTRAL ALASKA. <AGS-P>.
	23	13	15	29.1&	62.266	N	148.301	W	64				28	CENTRAL ALASKA. <AGS-P>.
	23	13	36	10.0	29.621	N	98.677	E	33	N	4.5	1.1	22	TIBET
	23	13	53	56.6•	52.476	N	160.268	E	33	N	5.0	1.0	19	OFF EAST COAST OF KAMCHATKA
	23	14	33	57.4&	43.500	N	71.568	W	5				3	NORTHERN NEW ENGLAND. <WES>. mbLg 2.6 (WES).
	23	15	01	53.5•	50.144	N	12.611	E	10	G		1.4	5	GERMANY. ML 2.2 (GRF).
	23	16	46	53.9•	12.869	N	143.931	E	33	N	4.5	0.7	8	SOUTH OF MARIANA ISLANDS
	23	17	20	13.6	28.444	N	66.322	E	33	N	4.6	1.1	36	PAKISTAN
	23	17	26	06.2	6.279	S	150.660	E	33	N	4.1	0.9	8	NEW BRITAIN REGION
	23	17	38	58.5	43.151	N	12.936	E	23	•	4.7	1.1	25	CENTRAL ITALY. ML 4.0 (TRI), 3.9 (KBA), 3.7 (LDG).
	23	19	13	20.6•	0.727	S	126.330	E	33	N	4.8	1.2	23	MOLUCCA SEA
	23	19	44	45.6•	28.388	N	140.772	E	33	N	4.7	1.2	13	BONIN ISLANDS REGION
	23	20	07	12.3?	5.66	S	147.21	E	178	•	4.7	0.8	7	EAST PAPUA NEW GUINEA REGION
	23	21	11	08.8	36.641	N	121.271	W	5	G		1.0	11	CENTRAL CALIFORNIA. ML 2.7 (BRK).
	23	22	25	26.2•	4.525	S	144.985	E	129	•	4.5	1.1	9	NEAR N COAST OF PAPUA NEW GUINEA
	23	23	48	39.9	42.318	N	18.927	E	10	G		0.1	6	YUGOSLAVIA. ML 2.1 (TTG).
	23	23	49	54.6•	50.208	N	12.381	E	10	G		0.2	5	GERMANY
	24	00	43	18.8•	20.882	S	169.915	E	120	•	4.8	1.3	21	VANUATU ISLANDS
	24	00	59	12.4	14.998	S	170.634	E	663		5.1	0.9	111	VANUATU ISLANDS REGION
	24	01	23	25.3	50.244	N	12.419	E	10	G		0.4	8	GERMANY. ML 2.1 (GRF).
	24	02	00	07.3•	28.225	N	140.728	E	33	N	4.5	1.3	22	BONIN ISLANDS REGION
	24	02	34	36.0	50.222	N	12.433	E	10	G		0.5	6	GERMANY
	24	04	54	07.4	50.243	N	12.425	E	10	G		0.2	8	GERMANY. ML 2.9 (FUR), 2.7 (GRF).
	24	05	27	19.0•	6.727	S	130.285	E	33	N	5.0	0.9	9	BANDA SEA
	24	07	22	38.7•	62.188	N	124.052	W	10	G	3.6	0.6	6	NORTHWEST TERRITORIES, CANADA
	24	08	23	10.7?	9.07	S	75.04	W	33	N		0.5	6	PERU
	24	09	18	33.1	24.276	S	67.188	W	198	•		0.7	9	CHILE-ARGENTINA BORDER REGION
	24	09	40	27.5&	59.314	N	153.173	W	82				29	SOUTHERN ALASKA. <AGS-P>.
	24	11	39	59.8•	2.598	S	138.443	E	33	N	4.3	1.1	12	WEST IRIAN
	24	12	25	48.8•	42.291	N	19.936	E	10	G		0.9	9	YUGOSLAVIA. MD 3.2 (TTG).
	24	14	15	30.1•	42.054	N	24.495	E	10	G		1.6	5	BULGARIA
	24	15	18	21.6?	32.34	N	137.83	E	375	?	4.2	0.6	16	SOUTH OF HONSHU, JAPAN
	24	15	19	18.9•	35.377	N	139.670	E	33	N		0.6	5	NEAR S. COAST OF HONSHU, JAPAN
	24	16	04	50.2•	4.363	S	100.283	E	33	N	4.7	1.2	25	SOUTHWEST OF SUMATERA
	24	17	01	29.4	50.242	N	12.429	E	10	G		0.3	8	GERMANY. ML 2.7 (GRF).
	24	17	09	17.4	50.247	N	12.433	E	10	G		0.3	6	GERMANY. ML 2.5 (GRF).
	24	17	12	42.4•	39.969	N	24.786	E	10	G		0.5	10	AEGEAN SEA
	24	17	18	26.1	40.867	N	24.727	E	10	G		0.8	8	AEGEAN SEA
	24	18	02	07.1•	50.273	N	12.406	E	10	G		0.3	5	GERMANY. ML 2.3 (GRF).
	24	18	03	31.6•	17.286	N	101.138	W	33	N	4.5	1.2	23	NEAR COAST OF GUERRERO, MEXICO
	24	18	37	48.4•	35.127	N	4.292	W	10	G		0.9	9	STRAIT OF GIBRALTAR. MG 3.2 (MDD).
	24	22	04	21.3	51.294	N	4.861	W	10	G		0.3	7	UNITED KINGDOM. ML 2.3 (HTL).
	24	22	30	08.5	11.348	S	34.384	E	10	G	4.9	1.0	29	MALAWI
	24	23	45	18.0?	11.89	S	166.96	E	218	?	4.6	1.3	16	SANTA CRUZ ISLANDS

	23	00	12	01.5	.959	N	121.088	E	55	•	4.5		1.3	21	PHILIPPINE ISLANDS REGION
	25	00	46	26.2?	5.97	S	147.79	E	117	?	3.6		0.1	5	EAST PAPUA NEW GUINEA REGION
	25	01	00	32.3•	23.996	S	72.177	W	33	N	4.9		0.5	5	OFF COAST OF NORTHERN CHILE
	25	02	15	01.6%	46.233	N	2.764	E	10	G			0.9	6	FRANCE. ML 1.5 (LDG).
	25	02	56	14.2•	1.553	N	97.956	E	82	?	4.1		0.7	6	NORTHERN SUMATERA
•	25	04	49	41.7	18.244	S	177.691	W	634		5.1		1.1	95	FIJI ISLANDS REGION
	25	04	59	37.0•	28.049	N	140.670	E	32	•	5.0		0.9	10	BONIN ISLANDS REGION
	25	08	00	36.6	36.950	N	121.413	W	5	G			0.7	13	CENTRAL CALIFORNIA. ML 2.6 (BRK).
	25	09	04	22.6•	9.489	N	84.744	W	33	N	4.3		1.1	6	COSTA RICA
	25	09	29	27.3	27.287	S	72.006	W	33	N	4.6		1.4	13	OFF COAST OF NORTHERN CHILE
•	25	09	39	46.1	61.702	N	27.132	W	10	G	5.3	5.2	1.0	177	ICELAND REGION
	25	09	55	06.3%	35.470	N	139.686	E	33	H			1.5	5	NEAR S. COAST OF HONSHU, JAPAN
	25	10	15	00.6	45.867	N	11.154	E	10	G			1.2	13	NORTHERN ITALY. ML 3.2 (KBA), MD 3.0 (TRI).
	25	10	32	58.0&	59.870	N	146.866	W	40					34	GULF OF ALASKA. <AGS-P>. ML 3.3 (PMR).
	25	11	03	55.5&	59.917	N	146.891	W	27					26	GULF OF ALASKA. <AGS-P>.
	25	11	06	04.8%	15.484	N	60.570	W	26				0.3	12	LEEWARD ISLANDS. ML 3.3 (FDF).
	25	13	07	49.6	50.230	N	12.439	E	10	G			0.2	6	GERMANY
	25	13	56	29.6•	61.542	N	26.923	W	10	G	4.5		1.0	29	ICELAND REGION
	25	14	16	36.8&	59.892	N	146.890	W	33					33	GULF OF ALASKA. <AGS-P>. ML 2.8 (PMR).
	25	14	35	41.7&	59.931	N	146.981	W	25					25	GULF OF ALASKA. <AGS-P>.
	25	15	04	21.1&	59.907	N	146.144	W	33					22	GULF OF ALASKA. <AGS-P>.
	25	15	49	41.2•	27.069	S	72.141	W	33	N	4.7		1.4	9	OFF COAST OF NORTHERN CHILE
	25	16	00	41.7	43.050	N	77.390	E	33	N	5.0	4.1	0.9	82	ALMA-ATA REGION. Felt (V) at Alma-Ata, (IV) at Przhevalsk and (III) at Frunze.
	25	16	02	52.9?	3.02	S	131.43	E	33	N	4.8		1.0	7	WEST IRIAN REGION
	25	17	11	42.0?	10.53	N	84.83	W	123	?			0.3	9	COSTA RICA
	25	17	40	26.9•	4.259	S	153.969	E	301	•	4.3		0.9	13	NEW IRELAND REGION
	25	19	42	27.7•	28.162	N	140.656	E	33	•	5.3		1.5	16	BONIN ISLANDS REGION
	25	20	23	17.9•	49.550	S	117.469	E	10	G	4.8		1.1	23	SOUTH OF AUSTRALIA
	25	20	49	02.3•	5.388	S	102.048	E	33	N	4.6		1.5	17	SOUTHERN SUMATERA
	25	21	30	17.3	31.575	N	85.139	E	33	N	4.7		1.4	29	TIBET
	25	21	48	16.6?	31.72	S	72.65	W	33	N			1.1	8	OFF COAST OF CENTRAL CHILE
	25	22	50	24.9•	32.064	N	100.733	W	5	G			1.5	8	WEST TEXAS. mbLg 2.9 (NEIS).
	25	23	13	24.0	61.837	N	16.936	E	10	G			1.3	7	SWEDEN. ML 3.3 (UPP). Felt in the Helsingland area.
	25	23	21	34.4•	28.274	N	53.432	E	33	N	4.3		1.1	14	SOUTHERN IRAN
	26	00	02	05.4•	7.421	S	148.324	E	59	•	4.8		1.1	17	EAST PAPUA NEW GUINEA REGION
	26	00	55	48.4?	16.28	N	101.57	W	33	N	4.8		0.9	7	NEAR COAST OF GUERRERO, MEXICO
	26	02	53	21.8	27.648	S	72.014	W	10	G	5.0		1.2	25	OFF COAST OF NORTHERN CHILE
	26	02	53	39.0	23.832	N	121.544	E	33	N	4.7		1.1	26	TAIWAN
	26	03	02	59.6	50.246	N	12.421	E	10	G			0.2	8	GERMANY. ML 2.1 (GRF).
	26	03	03	08.5?	16.48	N	101.68	W	33	N	4.8		0.7	7	NEAR COAST OF GUERRERO, MEXICO
	26	04	21	38.7•	34.659	S	70.394	W	33	N			1.4	18	CHILE-ARGENTINA BORDER REGION
	26	07	13	20.9?	47.83	N	2.66	W	10	G			1.4	5	FRANCE. ML 2.7 (LDG).
	26	07	33	56.2	42.627	N	15.326	E	10	G	4.4		1.2	54	ADRIATIC SEA. ML 4.8 (KBA), 4.5 (TRI), 4.4 (LDG).
	26	07	36	50.2•	28.089	N	140.510	E	33	N	4.2		1.2	9	BONIN ISLANDS REGION
•	26	07	48	23.5	27.067	S	70.913	W	31	D	5.7	4.8	1.1	192	NEAR COAST OF NORTHERN CHILE. Felt (V) at Caldera, (IV) at Copiapo and (III) at Vallenar.
	26	12	18	35.4•	62.194	N	124.863	W	10	G			0.8	6	NORTHWEST TERRITORIES, CANADA
	26	14	49	09.8•	20.632	S	69.145	W	33	N			0.4	6	NORTHERN CHILE
	26	15	13	23.9	38.739	N	122.676	W	5	G			0.9	12	NORTHERN CALIFORNIA. ML 2.9 (BRK).
	26	16	28	55.4	28.225	N	140.501	E	33	N	4.7		1.0	34	BONIN ISLANDS REGION
	26	17	13	18.8	42.354	N	19.991	E	10	G			0.5	11	YUGOSLAVIA. ML 2.7 (TTG).
	26	17	29	51.5	20.655	S	178.391	W	557		4.9		1.0	68	FIJI ISLANDS REGION
	26	19	11	21.0?	37.87	N	20.28	E	10	G	3.6		1.2	10	IONIAN SEA. ML 4.0 (ATH).
•	26	19	20	51.2&	36.810	N	121.275	W	7		5.3	5.3		167	CENTRAL CALIFORNIA. <BRK>. ML 5.5 (BRK). Mo=4.0•10••24 (BRK). Some damage (VI) in the Hollister-Tres Pinos-Paicines area and in the Santa Ana Valley east of Hollister. The most serious damage occurred at the Cienega Winery about 11 miles south of Hollister. Felt (V) at Aptos, Chualar, Campbell, Marina, Pacific Grove, Salinas, San Martin, San Mateo and Soledad. Felt throughout much of central California.
	26	20	48	05.3	36.831	N	121.269	W	5	G			0.8	14	CENTRAL CALIFORNIA. ML 2.6 (BRK).
	26	21	44	34.2&	36.817	N	121.265	W	9					19	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	26	23	09	57.4	36.868	N	121.243	W	5	G			0.7	11	CENTRAL CALIFORNIA. ML 2.7 (BRK).
	26	23	11	54.1&	61.869	N	148.738	W	38		4.1			38	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR). Felt (II) at Palmer.
	26	23	48	54.9&	36.828	N	121.290	W	6					12	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=2.8•10••22 (BRK).
	27	00	12	05.5•	31.083	S	69.147	W	33	N			1.2	9	SAN JUAN PROVINCE, ARGENTINA
	27	00	32	40.7%	45.717	N	26.714	E	75	?			0.8	7	ROMANIA
	27	00	52	37.1•	15.222	N	91.982	W	97	•	4.4		1.2	20	MEXICO-GUATEMALA BORDER REGION. Felt at San Marcos, Guatemala.
	27	01	04	24.2•	21.132	S	68.645	W	33	N			1.6	6	CHILE-BOLIVIA BORDER REGION
	27	01	18	08.4•	42.522	N	15.276	E	10	G			0.9	14	ADRIATIC SEA. ML 3.8 (TRI), 3.5 (KBA).
	27	01	59	40.6•	18.186	S	172.656	W	62	D	4.6		1.3	36	TONGA ISLANDS REGION
	27	02	02	00.8	37.602	N	118.881	W	5	G			0.9	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (BRK).
	27	02	43	58.4	23.415	N	123.878	E	23		4.9		0.9	54	SOUTHWESTERN RYUKYU ISLANDS. Felt on eastern Taiwan.
	27	03	02	04.5•	28.584	N	51.498	E	33	N	4.6		1.3	16	SOUTHERN IRAN
	27	03	14	20.3•	42.175	N	20.498	E	10	G			1.2	10	YUGOSLAVIA. MD 2.7 (TTG).
	27	03	31	35.3•	8.983	N	124.122	E	574	?	4.8		0.5	14	MINDANAO, PHILIPPINE ISLANDS
	27	03	49	43.1	50.781	N	176.062	E	33	N	4.9		1.0	55	RAT ISLANDS, ALEUTIAN ISLANDS
	27	03	52	29.3&	31.850	N	115.760	W	6	G				4	BAJA CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	27	04	26	57.7?	41.96	N	14.72	E	10	G			1.1	13	SOUTHERN ITALY. ML 3.8 (TRI), 3.5 (KBA).
	27	05	04	34.8&	59.884	N	153.014	W	82					21	SOUTHERN ALASKA. <AGS-P>.
	27	05	39	35.8%	40.166	N	29.324	E	10	G			1.0	6	TURKEY
	27	05	42	32.1	36.844	N	121.268	W	5	G			0.9	12	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	27	05	51	37.8	41.920	N	20.129	E	10	G			0.3	7	ALBANIA. ML 2.7 (TTG).
	27	06	07	18.7?	17.74	S	178.73	W	603	•	4.4		0.7	17	FIJI ISLANDS REGION
	27	06	18	48.4%	40.339	N	29.543	E	10	G			0.3	5	TURKEY
	27	06	36	32.1•	42.518	N	144.536	E	58	•	4.4		0.7	10	HOKKAIDO, JAPAN REGION. Felt (1 JMA) at Kushiro.
	27	07	19	33.5	34.768	N	25.244	E	56	•	4.5		1.1	67	CRETE
•	27	07	35	23.5	10.490	S	161.135	E	82		5.5		0.9	147	SOLOMON ISLANDS. Felt strongly at Honiara.

	27	07	53	46.3	38.503	N	26.495	E	10	G	3.8	1.5	7 AEGEAN SEA
	27	08	35	06.2	22.837	N	95.839	E	10	G	4.8	1.3	32 BURMA
	27	08	42	01.7?	32.82	S	69.92	W	33	N		1.0	6 MENDOZA PROVINCE, ARGENTINA. Felt (III) at Mendoza.
	27	09	40	20.7	41.181	N	19.546	E	10	G		1.4	22 ALBANIA. MD 3.4 (TTG).
	27	10	07	37.1&	36.810	N	121.263	W	7				16 CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	27	10	16	06.8•	20.813	S	70.999	W	33	N		1.0	5 NEAR COAST OF NORTHERN CHILE
o	27	10	21	59.4	23.676	S	177.267	W	179		5.1	1.1	116 SOUTH OF FIJI ISLANDS
	27	10	49	08.2?	35.65	N	25.88	E	10	G		1.0	8 CRETE. ML 4.1 (ATH).
	27	11	29	59.1?	57.97	N	157.98	W	146	?	4.1	1.2	16 ALASKA PENINSULA
	27	11	35	44.0&	45.800	N	74.980	W	18	G			5 SOUTHERN ONTARIO. <OTT-P>. mbLg 2.9 (OTT).
	27	12	25	40.2•	33.658	S	74.246	W	33	N		0.6	11 OFF COAST OF CENTRAL CHILE
	27	13	44	49.4•	41.612	N	22.361	E	10	G		0.4	5 YUGOSLAVIA
	27	14	26	06.4&	36.832	N	121.280	W	4				12 CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	27	15	19	52.0	42.351	N	19.923	E	10	G		0.6	10 YUGOSLAVIA. MD 2.7 (TTG).
	27	15	40	12.4%	39.244	N	27.677	E	10	G		1.3	5 TURKEY
	27	15	45	59.8	21.637	S	173.984	W	33	N	5.1	1.2	50 TONGA ISLANDS
	27	16	19	11.1	42.336	N	19.908	E	10	G		0.9	13 YUGOSLAVIA. MD 3.0 (TTG).
	27	16	35	52.8	38.885	N	48.620	E	71		5.3	0.9	183 N.W. IRAN-USSR BORDER REGION. Damage (VII) in the Dzhalilabad, USSR area. Felt at Ahar, Ardabil and Tehran, Iran.
	27	17	01	23.5	36.864	N	121.261	W	5	G		0.8	14 CENTRAL CALIFORNIA. ML 2.7 (BRK).
	27	17	57	18.4?	17.34	S	174.32	W	33	N	4.7	0.8	6 TONGA ISLANDS
	27	18	30	30.8?	36.22	S	73.10	W	33	N		0.3	10 NEAR COAST OF CENTRAL CHILE
	27	19	23	19.1	36.848	N	121.239	W	5	G		0.8	13 CENTRAL CALIFORNIA. ML 2.5 (BRK).
	27	19	30	07.3•	34.344	N	12.765	E	33	N	4.2	1.5	15 MEDITERRANEAN SEA
	27	19	36	16.3•	17.920	N	102.707	W	33	N	4.9	1.1	43 NEAR COAST OF MICHOACAN, MEXICO
	27	19	51	34.1&	36.813	N	121.255	W	8				17 CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	27	20	32	01.8	29.728	N	98.353	E	33	N	4.8	1.2	41 TIBET
	27	20	44	24.8•	6.961	N	73.154	W	156	•	4.4	0.6	8 NORTHERN COLOMBIA
	27	21	53	50.0	32.064	S	116.642	E	33	N		1.1	7 WESTERN AUSTRALIA
	27	23	09	18.3	36.857	N	121.253	W	5	G		0.8	14 CENTRAL CALIFORNIA. ML 2.6 (BRK).
	27	23	13	51.4	21.978	N	111.517	E	33	N	4.1	1.1	9 EASTERN CHINA. Felt at Hong Kong.
	28	01	09	35.7?	3.12	S	130.62	E	33	N	4.8	1.5	8 CERAM
	28	02	49	40.4•	24.965	N	122.061	E	25	•	4.2	0.4	9 TAIWAN REGION
	28	02	53	50.5&	34.480	N	120.610	W	11				7 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	28	03	40	41.7•	24.781	N	122.917	E	33	N	4.6	1.2	14 TAIWAN REGION
	28	03	55	39.2•	28.179	N	140.591	E	33	N	4.4	1.2	10 BONIN ISLANDS REGION
	28	05	45	01.5	44.153	N	113.946	W	5	G		0.6	22 EASTERN IDAHO. ML 4.0 (NEIS). Felt (IV) at Challis. Also felt at Mackay.
	28	05	49	02.3?	51.17	N	19.23	E	10	G		0.8	6 POLAND. ML 2.7 (KRA).
	28	06	19	21.3	23.338	N	120.493	E	29	•	4.5	1.2	18 TAIWAN
o	28	06	51	45.4	1.838	S	77.457	W	164	D	5.2	0.9	170 ECUADOR
	28	07	12	29.0&	61.428	N	151.553	W	88				37 SOUTHERN ALASKA. <AGS-P>.
	28	07	15	32.8	44.184	N	113.955	W	5	G		1.0	13 EASTERN IDAHO. ML 3.7 (NEIS).
	28	07	26	53.4•	44.145	N	114.211	W	5	G		0.2	8 WESTERN IDAHO. ML 3.3 (NEIS).
	28	07	59	31.3	40.459	N	29.145	E	10	G		1.1	20 TURKEY
	28	09	28	22.3	39.633	N	75.393	E	18	•	4.8 5.2	1.0	38 SOUTHERN XINJIANG, CHINA
	28	10	26	52.4	25.984	S	70.699	W	33	N	4.8	1.2	28 NEAR COAST OF NORTHERN CHILE
	28	11	13	22.1	31.996	N	5.389	W	10	G	4.2	1.1	28 MOROCCO. Felt at Assoul.
	28	11	49	48.3	46.460	N	7.857	E	10	G		1.0	31 SWITZERLAND. ML 3.3 (LDG), 3.2 (KBA).
	28	12	20	23.1•	27.161	S	71.096	W	33	N	4.5	1.4	14 NEAR COAST OF NORTHERN CHILE
o	28	12	32	16.6	8.880	N	94.165	E	27	D	5.7 5.8	1.1	189 NICOBAR ISLANDS REGION. Ms 5.8 (PAS).
	28	12	51	34.6•	8.692	N	93.900	E	33	N		0.8	11 NICOBAR ISLANDS REGION
	28	15	43	56.8	17.791	N	105.950	W	33	N	4.8	1.3	48 OFF COAST OF JALISCO, MEXICO
	28	15	59	39.7?	32.26	S	68.67	W	120	?		0.3	7 MENDOZA PROVINCE, ARGENTINA
	28	17	42	55.4?	17.28	S	73.85	W	33	N	4.9	1.0	7 OFF COAST OF PERU
	28	18	05	21.8•	28.528	N	140.932	E	26	•	4.9	1.2	24 BONIN ISLANDS REGION
	28	18	22	48.1	33.762	N	137.463	E	18		4.8	0.9	25 NEAR S. COAST OF HONSHU, JAPAN
	28	18	37	55.2&	59.589	N	153.612	W	117				26 SOUTHERN ALASKA. <AGS-P>.
	28	19	23	01.9?	30.94	S	179.70	E	320	?	3.6	0.7	6 KERMADEC ISLANDS REGION
o	28	20	01	28.3	31.999	N	5.318	W	22		4.9	1.1	185 MOROCCO. Felt (V) at Assoul.
	28	20	14	47.5	34.597	N	139.262	E	13		4.3	1.0	17 NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima.
	28	23	19	00.3	17.526	S	174.318	W	126	D	5.1	1.1	68 TONGA ISLANDS
	28	23	25	02.1•	43.377	N	146.883	E	33	N	4.7	1.3	11 KURIL ISLANDS
	29	00	03	49.8•	34.026	N	135.134	E	10	G	3.8	0.3	5 NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Wakayama.
	29	02	53	17.8•	48.738	N	9.924	E	10	G		1.5	10 SWITZERLAND. ML 2.7 (KBA).
	29	03	00	19.9	42.329	N	19.985	E	10	G		0.6	10 YUGOSLAVIA. ML 2.8 (TTG).
	29	07	06	47.7•	35.964	N	139.975	E	33	N		1.0	7 NEAR S. COAST OF HONSHU, JAPAN
	29	07	08	18.5•	17.721	S	13.569	W	10	G	4.8	0.9	16 SOUTH ATLANTIC RIDGE
	29	07	50	13.2•	32.079	N	5.394	W	10	G		1.2	10 MOROCCO. MG 4.2 (IFR).
	29	08	28	43.6?	35.62	N	140.22	E	80		4.4	0.5	12 NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
	29	08	46	04.9•	5.584	S	152.120	E	33	N	3.9	0.8	6 NEW BRITAIN REGION
o	29	09	27	42.8	13.993	N	146.329	E	63		5.2	1.0	114 SOUTH OF MARIANA ISLANDS
	29	10	05	32.7%	40.655	N	27.426	E	10	G		0.8	5 TURKEY
	29	10	11	57.7?	31.17	S	68.55	W	91	?		0.5	5 SAN JUAN PROVINCE, ARGENTINA
	29	10	19	05.0	52.831	N	162.910	W	33	N	4.8	1.0	45 SOUTH OF ALASKA
	29	10	57	19.6?	17.27	S	174.59	W	33	N	4.7	0.4	6 TONGA ISLANDS
	29	11	56	34.6	3.994	S	103.461	E	33	N	5.0	1.4	32 SOUTHERN SUMATERA. At least 2 people injured and severe damage in the Lahat area. Felt in the Pagaralam-Muaraenim area.
	29	12	35	06.8•	27.982	N	141.673	E	33	N	5.1	1.1	19 BONIN ISLANDS REGION
	29	13	26	37.8?	34.08	N	61.06	W	10	G	4.8	1.2	14 NORTH ATLANTIC OCEAN
o	29	13	34	09.8	6.855	N	76.783	W	10	G	5.6 5.3	1.1	166 NORTHERN COLOMBIA. Ms 5.3 (PAS). Felt at Medellin and in the Manizales-Armenia-Ibague area.
	29	13	49	41.1	7.128	N	76.331	W	10	G	4.6	1.1	37 NORTHERN COLOMBIA. Felt at Medellin, Manizales, Armenia and Pereira.
	29	14	39	15.7&	61.213	N	147.426	W	17				40 SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR).
	29	14	47	15.1	7.006	N	76.642	W	10	G	4.6 4.9	1.2	55 NORTHERN COLOMBIA. Felt at Medellin and Manizales.
	29	15	13	53.5?	38.31	S	93.80	W	10	G	5.0 4.8	0.8	10 WEST CHILE RISE
	29	15	18	25.8•	9.308	N	93.910	E	33	N	4.5	1.0	12 NICOBAR ISLANDS REGION

	29	15 36 38.4	37.934	N	72.257	E	33	N	4.9		0.7	37	TAJIK SSR. Felt (V) at Koyrokkum, (IV) at Leninabad, and (III) at Nau.
	29	15 42 18.7%	31.240	S	68.092	W	10	G			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	29	17 55 28.6?	3.39	S	135.64	E	33	N	3.9		0.8	6	WEST IRIAN REGION
	29	19 18 10.1•	28.113	N	140.476	E	33	N	5.0		1.2	14	BONIN ISLANDS REGION
	29	20 01 22.1	17.296	N	101.451	W	33	N	4.6		1.2	44	NEAR COAST OF GUERRERO, MEXICO. Felt (III) at Mexico City.
	29	20 26 33.6•	27.574	N	140.715	E	33	N	4.9		1.2	15	BONIN ISLANDS REGION
	29	20 39 13.5?	66.16	N	149.76	W	10	G			1.4	6	ALASKA. ML 3.0 (PMR).
	29	21 28 55.4?	33.67	S	178.94	E	33	N	4.3		0.8	5	SOUTH OF KERMADEC ISLANDS
	29	22 19 45.2%	37.777	N	29.227	E	10	G			1.1	6	TURKEY
	29	23 16 04.9?	25.39	N	122.77	E	96	?	4.6		1.1	6	TAIWAN REGION
	29	23 33 03.4•	18.643	N	145.417	E	202	•	4.4		0.8	22	MARIANA ISLANDS
	30	00 03 35.4•	37.918	N	20.212	E	17				1.0	15	IONIAN SEA. ML 3.7 (ATH).
	30	00 05 22.9•	37.894	N	20.046	E	10	G	4.1		1.4	18	IONIAN SEA. ML 4.0 (ATH).
	30	04 14 43.0?	36.39	N	71.51	E	79	?	4.6		1.4	11	AFGHANISTAN–USSR BORDER REGION
	30	04 52 15.3?	23.49	S	66.66	W	225	?			1.5	5	JUJUY PROVINCE, ARGENTINA
	30	06 06 41.3	62.345	N	124.073	W	10	G	4.6		1.0	32	NORTHWEST TERRITORIES, CANADA
	30	06 46 11.7•	42.507	N	21.927	E	10	G			1.4	5	YUGOSLAVIA. MG 2.4 (SKO).
e	30	07 15 33.5	43.601	N	127.339	W	10	G	5.2		1.0	86	OFF COAST OF OREGON
	30	10 32 56.1	56.982	N	5.386	W	10	G			0.5	11	UNITED KINGDOM. ML 3.0 (EDI). Felt (III) at Lochalort, Scotland; also felt at Kinloch Hourn.
	30	11 40 22.8	35.410	N	27.988	E	73	•	4.4		1.2	37	DODECANESE ISLANDS
	30	12 34 06.2•	4.857	N	125.021	E	33	N	4.3		0.6	11	TALAUD ISLANDS
	30	12 53 22.8%	60.308	N	5.379	E	10	G			0.6	5	SOUTHERN NORWAY. MD 1.6 (BER).
	30	13 36 49.9•	31.336	S	67.999	W	33	N			1.1	7	SAN JUAN PROVINCE, ARGENTINA
	30	16 40 59.1	23.648	S	177.249	W	171	D	4.8		1.2	48	SOUTH OF FIJI ISLANDS
	30	17 47 07.5&	37.645	N	121.837	W	4					13	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=9.2•10••20 (BRK).
	30	18 28 09.6	28.153	N	148.537	E	26	•	5.1		1.3	30	BONIN ISLANDS REGION
	30	18 30 20.6•	13.610	S	166.168	E	33	N	5.0		1.0	12	VANUATU ISLANDS
	30	19 24 52.8•	5.795	S	81.012	W	33	N	4.3		1.0	9	NEAR COAST OF NORTHERN PERU
	30	20 11 41.2?	15.48	N	60.70	W	33	N			0.3	7	LEEWARD ISLANDS. ML 3.1 (FDF).
	30	20 42 18.0	0.932	N	28.023	W	10	G	5.3	5.1	0.7	74	CENTRAL MID–ATLANTIC RIDGE
	30	21 31 46.7?	31.48	S	68.90	W	113	•			0.5	7	SAN JUAN PROVINCE, ARGENTINA
	30	21 55 08.3•	17.540	S	72.281	W	33	N			1.5	6	NEAR COAST OF PERU
	30	22 14 40.0?	13.34	S	166.26	E	33	N	5.3		1.5	19	VANUATU ISLANDS
	30	22 26 32.0	6.966	N	76.569	W	10	G	5.0	4.5	1.3	57	NORTHERN COLOMBIA. Felt at Pereira and Manizales.
	30	22 26 37.0	32.066	N	100.693	W	5	G			1.2	11	WEST TEXAS. mbLg 3.3 (NEIS), 3.1 (TUL). Felt (IV) at Silver and (II) at Robert Lee.
	30	23 23 27.7	7.017	N	76.477	W	10	G	4.9	4.5	1.4	48	NORTHERN COLOMBIA. Felt at Pereira and Manizales.
	31	00 01 28.3	37.642	N	121.885	W	5	G			0.5	9	CENTRAL CALIFORNIA. ML 2.7 (BRK). Mo=3.9•10••20 (BRK).
	31	00 08 33.6•	44.578	N	26.014	E	10	G			1.1	6	ROMANIA
	31	02 27 04.1•	44.613	N	148.135	E	57	D	4.9		1.1	56	KURIL ISLANDS. Felt (II) on Shikotan.
	31	05 02 40.7	24.790	N	122.974	E	36	•	4.6		1.3	17	TAIWAN REGION
	31	05 47 16.6?	13.43	N	91.24	W	33	N	4.8		0.9	14	NEAR COAST OF GUATEMALA
	31	05 51 40.2	20.811	S	68.721	W	113	D	4.9		1.2	48	CHILE–BOLIVIA BORDER REGION
	31	06 19 36.0	7.330	S	120.370	E	400	•	4.5		1.0	17	FLORES SEA
	31	07 17 15.2?	21.85	S	71.26	W	33	N			1.4	7	OFF COAST OF NORTHERN CHILE
	31	07 32 10.3•	33.194	S	72.365	W	33	N			1.3	13	OFF COAST OF CENTRAL CHILE
	31	07 45 53.6•	7.159	S	115.879	E	10	G	4.8		1.2	11	BALI SEA
	31	12 06 02.7	50.239	N	12.644	E	10	G			0.8	6	GERMANY. ML 2.9 (KBA).
	31	13 00 22.0?	49.37	S	7.53	W	10	G	4.8		1.1	8	SOUTH ATLANTIC RIDGE
	31	14 06 11.0?	50.01	S	6.80	W	10	G	4.7		1.3	9	SOUTH ATLANTIC RIDGE
	31	14 25 25.6•	13.337	S	165.987	E	33	N	5.2		1.3	12	VANUATU ISLANDS
	31	15 05 47.0	34.928	N	137.933	E	49	•	4.0		0.6	13	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro, Iida and Shizuoka. Also felt at Hamamatsu and Nagoya.
	31	15 07 31.9•	25.661	N	128.022	E	33	N	4.3		1.2	9	RYUKYU ISLANDS
	31	15 21 56.8•	31.379	N	138.372	E	394	•	3.4		0.7	18	SOUTH OF HONSHU, JAPAN
	31	16 37 49.8&	37.645	N	121.837	W	5					10	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
e	31	16 46 43.3&	41.650	N	81.162	W	10		5.0			124	OHIO. <SPEC>. Seventeen people treated for minor injuries and some damage (VI) sustained in the Painesville–Mentor area. Minor damage also occurred at Bainbridge, Bowling Green, Chardon, Geneva, Huntsburg, Kirtland, Leroy, Madison, Metals Park, Middlefield, Perry, Perry Nuclear Plant, Thompson, Warren and Willoughby. Minor damage in Pennsylvania at Albion and Linesville. Felt throughout most of Ohio and parts of Illinois, Indiana, Kentucky, Michigan, New York, Pennsylvania, West Virginia and Ontario, Canada. Some additional states with only a few felt reports included Delaware, Maryland, New Jersey, Virginia, Wisconsin and the District of Columbia.
	31	16 53 48.6•	50.095	S	7.220	W	10	G	4.8		0.7	13	SOUTH ATLANTIC RIDGE
e	31	17 48 04.4	42.228	N	142.996	E	69		5.3		1.0	152	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa, (II JMA) at Kushiro and Obihiro and (I JMA) at Muroran and Sapporo.
	31	19 58 51.4	12.841	S	166.452	E	33	N	5.6		1.1	35	SANTA CRUZ ISLANDS
	31	20 43 27.0	21.847	S	68.717	W	154	•			1.3	11	CHILE–BOLIVIA BORDER REGION
	31	21 55 27.1•	23.856	S	26.335	E	10	G			1.6	5	BOTSWANA REPUBLIC. MG 3.6 (BUL).
	31	23 28 16.9	35.922	N	28.547	E	10	G	4.1		1.5	24	EASTERN MEDITERRANEAN SEA. ML 4.2 (ATH).
	31	23 44 08.4	40.793	N	27.535	E	10	G			0.8	11	TURKEY

ADDITIONAL SOURCE PARAMETERS

01 04 37 24.00 62.079N 124.042W 10km
4.7mb (10 obs.)
NORTHWEST TERRITORIES, CANADA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 17C
Centroid Location:
Origin Time 04:37:30.0 1.1
Lat 62.08N FIX;Lon 124.65W FIX
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 2.63 Plg=74 Azm= 30
N 1.19 11 162
P -3.81 12 254
Best Double Couple:Mo=3.2*10**23
NP1:Strike=358 Dip=34 Slip= 109
NP2: 155 58 77

01 19 39 21.70 16.472S 175.484W 33km
5.3mb (15 obs.) 4.9Msz (3 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 19:39:20.4 0.6
Lat 17.81S 0.05 Lon 174.43W 0.06
Dep 19.0 2.5 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.41 Plg= 1 Azm=288
N -0.08 12 18
P -1.32 78 194
Best Double Couple:Mo=1.4*10**24
NP1:Strike= 6 Dip=45 Slip=-107
NP2: 218 47 -74

01 22 01 13.69 19.282N 109.386W 10km
5.3mb (17 obs.) 4.9Msz (3 obs.)
REVILLA GIGEDO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 22:01:18.5 0.6
Lat 19.08N 0.07 Lon 108.32W 0.08
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.77 Plg= 6 Azm= 76
N -0.39 76 191
P -2.37 12 345
Best Double Couple:Mo=2.6*10**24
NP1:Strike=121 Dip=77 Slip=-175
NP2: 30 85 -13

01 22 10 27.01 56.041N 165.009E 27km
5.2mb (34 obs.) 4.8Msz (3 obs.)
KOMANDORSKY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 22:10:29.3 1.5
Lat 56.15N 0.19 Lon 164.78E 0.26
Dep 28.0 BDY Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.12 Plg=71 Azm=338
N 1.21 9 97
P -6.33 16 189
Best Double Couple:Mo=5.7*10**23
NP1:Strike=293 Dip=30 Slip= 108
NP2: 92 62 80

03 09 43 28.60 0.972S 126.868E 39km
5.6mb (34 obs.) 5.8Msz (9 obs.)
MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 09:43:35.6 0.4
Lat 0.84S 0.05 Lon 126.74E 0.03
Dep 31.0 2.0 Half-duration 3.6
Principal Axes:
Scale 10**25 D-CM
T Val= 1.54 Plg=80 Azm= 95
N -0.03 7 352
P -1.51 29 258
Best Double Couple:Mo=1.5*10**25
NP1:Strike=329 Dip=18 Slip= 66
NP2: 174 74 98

04 23 31 07.54 19.368N 108.524W 10km
5.2mb (14 obs.) 5.4Msz (1 obs.)
REVILLA GIGEDO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 23:31:13.0 0.6
Lat 19.34N 0.07 Lon 108.72W 0.07
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 3.03 Plg=21 Azm= 82
N -0.73 66 235
P -2.31 9 348
Best Double Couple:Mo=2.7*10**24
NP1:Strike=123 Dip=88 Slip= 171
NP2: 216 82 22

05 08 08 07.74 53.163S 9.638E 10km
5.7mb (13 obs.) 5.4Msz (1 obs.)
SOUTHWEST OF AFRICA
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 3
Principal Axes:
Scale 10**25 d-cm
T Val= 1.12 Plg= 2 Azm=350
N 0.00 83 180
P -1.12 7 260
Best Double Couple:Mo=1.1*10**25
NP1:Strike= 35 Dip=83 Slip=-177
NP2: 305 87 -7
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C
Centroid Location:
Origin Time 08:08:19.3 0.2
Lat 53.20S 0.03 Lon 9.94E 0.04
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 6.07 Plg=17 Azm=355
N -0.20 65 125
P -6.77 18 259
Best Double Couple:Mo=6.9*10**24
NP1:Strike= 37 Dip=85 Slip=-179
NP2: 307 89 -25

07 08 08 48.56 17.428S 167.611E 26km
5.2mb (6 obs.) 5.3Msz (2 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 08:08:49.8 0.5
Lat 17.47S 0.06 Lon 167.58E 0.06
Dep 33.5 3.8 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.26 Plg=75 Azm= 83
N 0.17 1 177
P -1.43 15 268
Best Double Couple:Mo=1.4*10**24
NP1:Strike=359 Dip=30 Slip= 92
NP2: 177 60 89

07 10 38 55.20 21.183S 178.627W 520km
5.2mb (36 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 38C
Centroid Location:
Origin Time 10:38:59.6 0.3
Lat 21.26S 0.04 Lon 178.43W 0.03
Dep 531.5 1.6 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.28 Plg= 2 Azm=199
N 0.43 2 109
P -3.71 87 336
Best Double Couple:Mo=3.5*10**24
NP1:Strike=291 Dip=43 Slip= -87
NP2: 107 47 -93

07 16 37 47.94 13.361S 111.328W 10km
4.9mb (7 obs.) 5.4Msz (2 obs.)
NORTHERN EASTER I. CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 16:37:54.1 0.4
Lat 13.52S 0.05 Lon 111.32W 0.05
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 2.35 Plg=13 Azm=322
N 0.07 66 201
P -2.42 20 56
Best Double Couple:Mo=2.4*10**24
NP1:Strike= 98 Dip=87 Slip= -5
NP2: 188 85 -157

08 03 42 50.43 35.753S 71.098W 105km
5.3mb (28 obs.)
CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 03:42:54.6 1.0
Lat 35.83S 0.10 Lon 71.38W 0.16
Dep 96.411.2 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 6.74 Plg=43 Azm=138
N -0.36 16 33
P -6.39 43 288
Best Double Couple:Mo=6.6*10**23
NP1:Strike=383 Dip=16 Slip= 0
NP2: 33 90 -106

10 03 46 29.91 28.648N 86.527E 55km
5.4mb (61 obs.) 3.6Msz (1 obs.)
TIBET
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 03:46:43.7 1.1
Lat 28.60N 0.12 Lon 87.09E 0.08
Dep 81.4 6.9 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.57 Plg=20 Azm= 98
N -2.57 43 206
P -5.00 40 349
Best Double Couple:Mo=6.3*10**23
NP1:Strike=140 Dip=46 Slip=-163
NP2: 38 78 -45

10 22 16 22.78 52.989S 9.517E 10km
5.2mb (10 obs.) 5.0Msz (5 obs.)
SOUTHWEST OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 38C
Centroid Location:
Origin Time 22:16:32.4 0.3
Lat 52.98S 0.04 Lon 10.08E 0.06
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.69 Plg=11 Azm=351
N -0.28 75 132
P -3.41 9 260
Best Double Couple:Mo=3.6*10**24
NP1:Strike= 35 Dip=76 Slip= 178
NP2: 126 88 14

11 12 31 14.20 13.810S 166.434E 33km
5.3mb (12 obs.) 5.2Msz (2 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 12:31:18.4 0.3
Lat 13.85S 0.03 Lon 166.33E 0.03
Dep 37.9 2.8 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.76 Plg=76 Azm= 36
N 0.57 11 176

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    P       -3.33       9       268
  Best Double Couple:Mo=3.1e+18++24
   NP1:Strike= 11 Dip=37 Slip= 100
   NP2:        188      55        76

11 19 42 21.98   9.505S  77.512W  39km
   5.3mb ( 10 obs.)
   PERU
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 24C
   Centroid Location:
   Origin Time        19:42:25.5 1.8
   Lat  9.43S 0.10 Lon  77.16W 0.15
   Dep  38.2 10.5 Half-duration  1.4
   Principal Axes:
     Scale 10++23 D-CM
     T  Val=  4.88  Plg=28  Azm=193
     N        0.23      46       81
     P       -5.11      37      299
   Best Double Couple:Mo=5.0e+10++23
    NP1:Strike=330 Dip=48 Slip= -15
    NP2:         78      79      -137

12 06 38 20.59   3.981S  79.484W  98km
   5.5mb ( 29 obs.)
   NEAR COAST OF ECUADOR
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 20C
   Centroid Location:
   Origin Time        06:38:17.9 0.9
   Lat  4.48S 0.11 Lon  80.10W 0.11
   Dep  98.9 4.6 Half-duration  1.7
   Principal Axes:
     Scale 10++24 D-CM
     T  Val=  1.41  Plg=10  Azm=  81
     N       -0.60      53      184
     P       -0.81      36      344
   Best Double Couple:Mo=1.1e+10++24
    NP1:Strike=129 Dip=58 Slip=-160
    NP2:         28      73       -34

12 14 00 55.09  36.011S 102.215W  10km
   5.1mb (  8 obs.)  4.7Msz (  1 obs.)
   SOUTHERN PACIFIC OCEAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 31C
   Centroid Location:
   Origin Time        14:01:  0.6 0.5
   Lat 35.78S 0.06 Lon 102.44W 0.07
   Dep  15.0 FIX Half-duration  1.7
   Principal Axes:
     Scale 10++24 D-CM
     T  Val=  1.18  Plg=  0  Azm=228
     N        0.03      90      180
     P       -1.21       0      138
   Best Double Couple:Mo=1.2e+10++24
    NP1:Strike=273 Dip=90 Slip= 180
    NP2:         3      90        0

12 20 14 52.82  34.151N  69.544E  25km
   5.4mb ( 66 obs.)  5.7Msz (  6 obs.)
   AFGHANISTAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 30C
   Centroid Location:
   Origin Time        20:14:56.2 0.3
   Lat 34.04N 0.04 Lon  69.41E 0.04
   Dep  15.0 BDY Half-duration  2.2
   Principal Axes:
     Scale 10++24 D-CM
     T  Val=  3.72  Plg=26  Azm= 67
     N       -0.52      34      317
     P       -3.21      45      185
   Best Double Couple:Mo=3.5e+10++24
    NP1:Strike=285 Dip=36 Slip= -18
    NP2:         310      79      -125

14 03 03 37.46  36.341N  71.024E  245km
   5.2mb ( 70 obs.)
   AFGHANISTAN-USSR BORDER REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 21C
   Centroid Location:
   Origin Time        03:03:35.6 0.7
   Lat 35.97N 0.07 Lon  71.00E 0.06
   Dep  256.8 3.2 Half-duration  2.0
   Principal Axes:
     Scale 10++24 D-CM
     T  Val=  2.60  Plg=53  Azm=216
     N       -0.53      31        2
     P       -2.07      17      102
   Best Double Couple:Mo=2.3e+10++24
    NP1:Strike=229 Dip=48 Slip= 145
    NP2:         348      69       58

15 20 17 42.71  21.277S 170.182E  150km
   6.2mb (  4 obs.)
   LOYALTY ISLANDS REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=235 Dip=85 Slip=-180
    NP2:         119      11       -27
   Principal Axes:
     T                Plg=39  Azm=334
     P                    49      134
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to normal faulting
     with a small strike-slip
     component. The preferred fault
     plane is not determined.
   MOMENT TENSOR SOLUTION
   Dep 100              No. of sta:  7
   Principal Axes:
     Scale 10++26 d-cm
     T  Val=  4.40  Plg=51  Azm=357
     N        0.00      25      123
     P       -4.40      28      227
   Best Double Couple:Mo=4.4e+10++26
    NP1:Strike=  2 Dip=29 Slip= 152
    NP2:         117      77       64
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 22S, 57C  M.W.: 20S, 43C
   Centroid Location:
   Origin Time        20:17:47.5 0.1
   Lat 21.26S 0.01 Lon 169.91E 0.01
   Dep 121.0 0.7 Half-duration 12.0
   Principal Axes:
     Scale 10++26 D-CM
     T  Val=  4.41  Plg=46  Azm=  4
     N        0.43      27      125
     P       -4.84      32      234
   Best Double Couple:Mo=4.6e+10++26
    NP1:Strike= 17 Dip=28 Slip= 164
    NP2:         122      83       63

16 05 08 32.42   5.936N 126.074E   83km
   5.4mb ( 34 obs.)
   MINDANAO, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 27C
   Centroid Location:
   Origin Time        05:08:33.2 0.3
   Lat  5.89N 0.03 Lon 126.34E 0.04
   Dep  56.2 2.9 Half-duration  2.4
   Principal Axes:
     Scale 10++24 D-CM
     T  Val=  6.18  Plg=65  Azm=  4
     N       -0.66      23      208
     P       -5.52       9      115
   Best Double Couple:Mo=5.9e+10++24
    NP1:Strike=188 Dip=41 Slip=  54
    NP2:         44      58      117

16 08 34 43.71  29.882N 138.662E  436km
   5.2mb ( 56 obs.)
   SOUTH OF HONSHU, JAPAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 18S, 19C
   Centroid Location:
   Origin Time        08:34:46.6 0.8
   Lat 29.65N 0.07 Lon 139.39E 0.16
   Dep 455.7 5.5 Half-duration  1.7
   Principal Axes:
     Scale 10++24 D-CM
     T  Val=  1.67  Plg=32  Azm=  37
     N        0.01      37      155
     P       -1.68      37      280
   Best Double Couple:Mo=1.7e+10++24
    NP1:Strike= 71 Dip=37 Slip=-175
    NP2:         337      87       -53

16 13 04 31.35  24.771N 122.013E   13km
   5.5mb ( 68 obs.)  5.8Msz (  4 obs.)
   TAIWAN REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 32C
   Centroid Location:
   Origin Time        13:04:34.4 0.2
   Lat 24.87N 0.03 Lon 121.79E 0.04
   Dep  15.0 FIX Half-duration  3.4
   Principal Axes:
     Scale 10++24 D-CM
     T  Val= 10.97  Plg=17  Azm=328
     N       -0.52       3       58
     P       -10.45      72      158
   Best Double Couple:Mo=1.1e+10++25
    NP1:Strike= 53 Dip=28 Slip= -96
    NP2:         240      62       -87

16 14 00 07.54   4.167S 104.475W   10km
   4.7mb (  5 obs.)  4.9Msz (  3 obs.)
   NORTHERN EASTER I. CORDILLERA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 19S, 37C
   Centroid Location:
   Origin Time        14:00:12.7 0.7
   Lat  4.24S 0.08 Lon 104.08W 0.06
   Dep  15.0 FIX Half-duration  2.1
   Principal Axes:
     Scale 10++24 D-CM
     T  Val=  4.02  Plg=  3  Azm=318
     N       -0.88      87      136
     P       -3.14       0       48
   Best Double Couple:Mo=3.6e+10++24
    NP1:Strike= 91 Dip=88 Slip=   2
    NP2:          1      88      178

16 15 45 06.74  13.085N 120.822E  223km
   5.2mb ( 55 obs.)
   MINDORO, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 30C
   Centroid Location:
   Origin Time        15:45:  9.4 0.4
   Lat 13.71N 0.04 Lon 120.81E 0.06
   Dep 207.8 2.5 Half-duration  2.4
   Principal Axes:
     Scale 10++24 D-CM
     T  Val=  3.41  Plg=29  Azm=  64
     N        0.75      33      175
     P       -4.16      43      363
   Best Double Couple:Mo=3.8e+10++24
    NP1:Strike=103 Dip=34 Slip=-165
    NP2:          1      82       -56

16 23 07 33.93  17.541S 178.905W  479km
   5.0mb ( 19 obs.)
   FIJI ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 15C
   Centroid Location:
   Origin Time        23:07:37.1 1.7
   Lat 17.95S 0.27 Lon 178.18W 0.19
   Dep 589.7 10.3 Half-duration  1.4
   Principal Axes:
     Scale 10++23 D-CM
     T  Val=  7.38  Plg=37  Azm=331
     N       -0.98      47      115
     P       -6.40      19      226
   Best Double Couple:Mo=8.9e+10++23
    NP1:Strike=  2 Dip=49 Slip= 165
    NP2:         102      79       42

17 07 19 20.21  24.089S 175.844W   33km
   5.2mb (  8 obs.)
   SOUTH OF TONGA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 18S, 19C
   Centroid Location:
   Origin Time        07:19:25.0 1.7
   Lat 23.90S 0.10 Lon 175.43W 0.15
   Dep  18.7 5.9 Half-duration  1.4
   Principal Axes:
     Scale 10++23 D-CM
     T  Val=  7.29  Plg=71  Azm=282
     N        0.98       8      191
     P       -8.19      19      100
   Best Double Couple:Mo=7.7e+10++23
    NP1:Strike=190 Dip=20 Slip=  89
    NP2:         11      64       90

18 01 59 01.65  51.853N 173.109W   33km
   5.8mb (189 obs.)  5.3Msz ( 11 obs.)
   ANDREANOF ISLANDS, ALEUTIAN IS.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
```

L.P.B.: 19S, 36C
Centroid Location:
Origin Time 01:59: 5.4 0.3
Lat 51.01N 0.05 Lon 173.01W 0.04
Dep 35.8 2.3 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.35 Plg=77 Azm= 17
N 0.20 13 189
P -2.55 2 279
Best Double Couple:Mo=2.4*10**24
NP1:Strike= 22 Dip=45 Slip= 108
NP2: 177 48 73

19 08 03 26.63 0.555N 88.041W 33km
5.0mb (36 obs.) 4.5Msz (1 obs.)
NEAR COAST OF ECUADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 13C
Centroid Location:
Origin Time 08:03:26.4 1.7
Lat 0.44N 0.18 Lon 88.08W 0.29
Dep 40.0*0.8 Half-duration 1.2
Principal Axes:
Scale 10**23 D-CM
T Val= 3.89 Plg=84 Azm= 78
N -0.08 9 187
P -3.81 25 281
Best Double Couple:Mo=3.9*10**23
NP1:Strike= 31 Dip=22 Slip= 116
NP2: 184 70 88

21 05 24 22.27 21.588S 174.261W 40km
5.6mb (37 obs.) 5.2Msz (8 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 05:24:23.7 0.8
Lat 21.78S 0.07 Lon 173.71W 0.08
Dep 15.8 FIX Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.69 Plg=63 Azm=297
N 0.05 2 202
P -1.65 27 111
Best Double Couple:Mo=1.8*10**24
NP1:Strike=195 Dip=18 Slip= 82
NP2: 23 72 92

22 12 26 45.45 10.199S 161.086E 95km
6.0mb (55 obs.)
SOLOMON ISLANDS
MOMENT TENSOR SOLUTION
Dep 58 No. of sta: 10
Principal Axes:
Scale 10**25 d-cm
T Val= 3.17 Plg=69 Azm=254
N -0.48 1 162
P -2.70 21 71
Best Double Couple:Mo=2.9*10**25
NP1:Strike=159 Dip=24 Slip= 87
NP2: 342 66 91
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 40C
Centroid Location:
Origin Time 12:26:46.8 0.2
Lat 10.17S 0.02 Lon 161.21E 0.02
Dep 69.0 1.3 Half-duration 5.0
Principal Axes:
Scale 10**25 D-CM
T Val= 3.08 Plg=71 Azm=284
N -0.38 16 137
P -2.70 10 44
Best Double Couple:Mo=2.9*10**25
NP1:Strike=116 Dip=38 Slip= 64
NP2: 328 57 109

22 14 57 13.09 0.467S 124.366E 59km
5.7mb (45 obs.)
MOLUCCA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=239 Dip=78 Slip= 167
NP2: 334 78 20
Principal Axes:
T Plg=23 Azm=197
P 5 105
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 14:57:20.1 1.0
Lat 0.21N 0.08 Lon 124.01E 0.08
Dep 82.8 4.8 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 3.43 Plg=31 Azm=318
N 0.35 53 181
P -3.78 18 217
Best Double Couple:Mo=3.6*10**24
NP1:Strike=354 Dip=54 Slip= 178
NP2: 90 82 36

25 04 49 41.75 18.244S 177.891W 634km
5.1mb (35 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 04:49:47.5 0.7
Lat 18.29S 0.07 Lon 177.78W 0.06
Dep 634.9 4.1 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 1.94 Plg=59 Azm=149
N 0.59 0 59
P -2.53 31 329
Best Double Couple:Mo=2.2*10**24
NP1:Strike= 58 Dip=54 Slip= 90
NP2: 239 36 90

25 09 39 46.17 61.702N 27.132W 10km
5.3mb (53 obs.) 5.2Msz (8 obs.)
ICELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 19C
Centroid Location:
Origin Time 09:39:52.0 0.6
Lat 60.99N 0.12 Lon 27.05W 0.13
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.44 Plg=11 Azm=315
N -0.47 38 54
P -0.97 50 212
Best Double Couple:Mo=1.2*10**24
NP1:Strike= 8 Dip=48 Slip=-147
NP2: 255 66 -48

26 07 48 23.52 27.067S 70.913W 31km
5.7mb (49 obs.) 4.8Msz (1 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 07:48:32.2 0.4
Lat 26.99S 0.06 Lon 71.07W 0.06
Dep 30.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.45 Plg=78 Azm=229
N 0.01 14 3
P -1.46 14 97
Best Double Couple:Mo=1.5*10**24
NP1:Strike=206 Dip=34 Slip= 117
NP2: 355 60 73

26 19 20 51.20 36.818N 121.275W 7km
5.3mb (53 obs.) 5.3Msz (8 obs.)
CENTRAL CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 19:21: 0.2 1.2
Lat 37.24N 0.11 Lon 121.81W 0.07
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.68 Plg= 0 Azm=121
N -0.29 90 180
P -1.40 0 31
Best Double Couple:Mo=1.5*10**24
NP1:Strike=166 Dip=90 Slip= 180
NP2: 256 90 0

27 07 35 23.55 10.480S 161.135E 82km
5.3mb (37 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 41C
Centroid Location:
Origin Time 07:35:23.8 0.2
Lat 10.68S 0.04 Lon 161.45E 0.03
Dep 37.3 2.1 Half-duration 3.6
Principal Axes:
Scale 10**24 D-CM
T Val= 12.42 Plg=46 Azm=148
N -1.82 28 272
P -10.60 30 20
Best Double Couple:Mo=1.2*10**25
NP1:Strike=162 Dip=30 Slip= 162
NP2: 267 81 61

27 10 21 59.46 23.676S 177.267W 179km
5.1mb (33 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 10:22: 4.5 0.7
Lat 23.72S 0.07 Lon 177.17W 0.07
Dep 169.4 2.1 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.16 Plg=27 Azm= 61
N 0.06 35 172
P -2.22 42 303
Best Double Couple:Mo=2.2*10**24
NP1:Strike=181 Dip=37 Slip=-165
NP2: 359 81 -54

28 06 51 45.49 1.838S 77.457W 164km
5.2mb (69 obs.)
ECUADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 06:51:51.1 0.7
Lat 1.84S 0.07 Lon 77.76W 0.08
Dep 166.3 3.2 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 14.85 Plg=24 Azm= 38
N -1.63 16 300
P -13.22 61 180
Best Double Couple:Mo=1.4*10**24
NP1:Strike=157 Dip=25 Slip= -51
NP2: 295 71 -107

28 12 32 16.64 8.880N 94.165E 27km
5.7mb (73 obs.) 5.8Msz (14 obs.)
NICOBAR ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 35C
Centroid Location:
Origin Time 12:32:18.6 0.2
Lat 8.81N 0.03 Lon 94.01E 0.03
Dep 15.0 BDY Half-duration 3.6
Principal Axes:
Scale 10**24 D-CM
T Val= 9.75 Plg= 2 Azm=301
N 0.78 86 55
P -10.45 4 211
Best Double Couple:Mo=1.0*10**25
NP1:Strike=346 Dip=86 Slip=-178
NP2: 256 88 -4

28 20 01 28.37 31.999N 5.318W 22km
4.9mb (31 obs.)
MOROCCO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 20:01:32.2 0.7
Lat 32.98N 0.11 Lon 5.78W 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.52 Plg=41 Azm= 58
N -0.73 48 281

P -6.79 23 170
Best Double Couple:Mo=7.2e+18++23
NP1:Strike=212 Dip=42 Slip= 16
NP2: 118 79 131

29 09 27 42.87 13.963N 146.329E 63km
5.3mb (24 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 09:27:42.8 0.5
Lat 13.94N 0.07 Lon 146.74E 0.05
Dep 24.1 5.0 Half-duration 1.8
Principal Axes:
Scale 10++24 D-CM
T Val= 1.32 Plg=73 Azm=307
N 0.24 18 182
P -1.56 14 98
Best Double Couple:Mo=1.4e+18++24
NP1:Strike=186 Dip=33 Slip= 71
NP2: 8 59 102

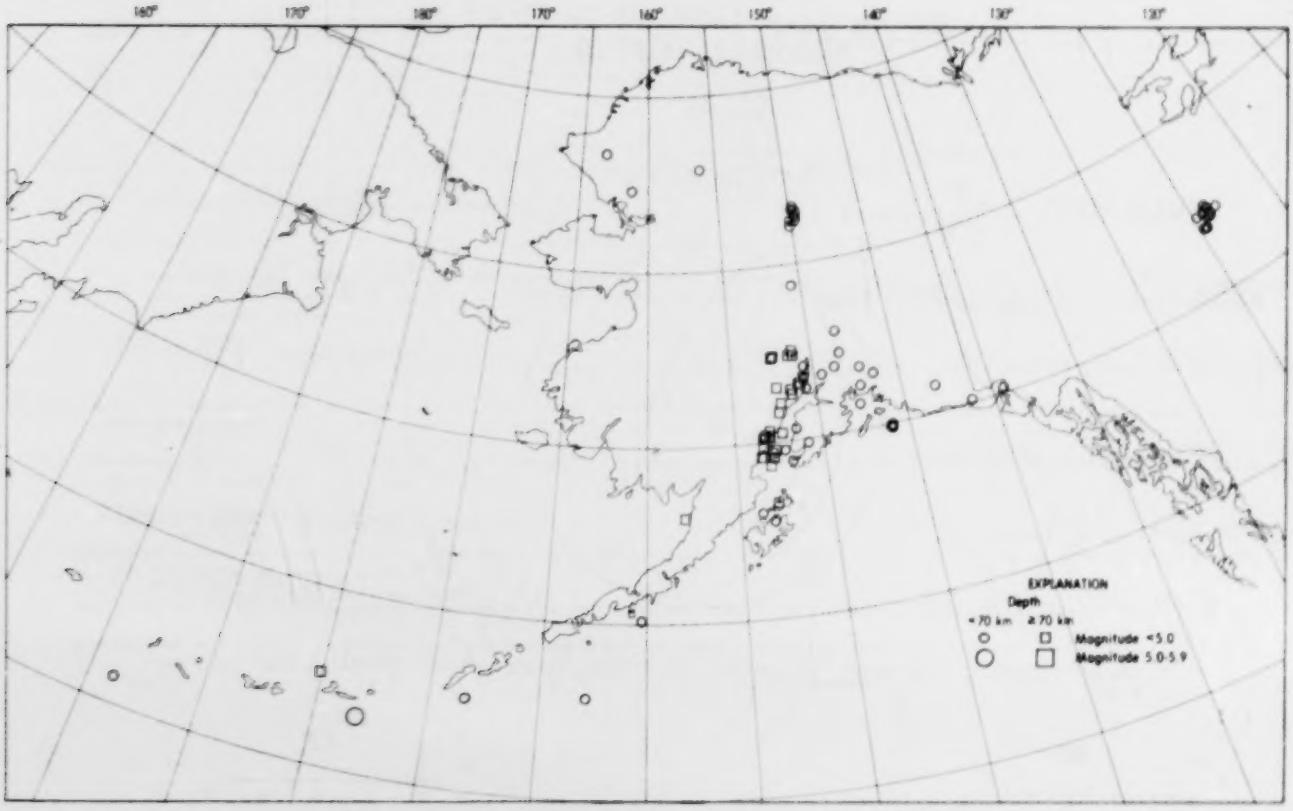
29 13 34 09.83 6.855N 76.783W 18km
5.0mb (66 obs.) 5.3Msz (14 obs.)
NORTHERN COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Location:
Origin Time 13:34:16.4 0.2
Lat 7.08N 0.03 Lon 76.58W 0.03
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10++24 D-CM
T Val= 4.71 Plg= 0 Azm=227
N -1.09 78 318
P -3.61 12 137
Best Double Couple:Mo=4.2e+18++24
NP1:Strike=273 Dip=82 Slip=-172
NP2: 182 82 -8

30 07 15 33.50 43.601N 127.338W 10km
5.2mb (22 obs.)
OFF COAST OF OREGON
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location:
Origin Time 07:15:34.2 1.2
Lat 42.97N 0.15 Lon 127.68W 0.12
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10++23 D-CM
T Val= 8.95 Plg= 0 Azm=250
N -0.36 90 180
P -8.59 0 160
Best Double Couple:Mo=8.6e+18++23
NP1:Strike=295 Dip=90 Slip= 180
NP2: 25 90 0

31 16 46 43.33 41.658N 81.162W 10km
5.0mb (16 obs.)
OHIO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 16:46:46.5 1.7
Lat 41.64N FIX;Lon 81.11W FIX
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10++23 D-CM
T Val= 3.33 Plg=17 Azm=335
N 0.15 70 183
P -3.48 9 88
Best Double Couple:Mo=3.4e+18++23
NP1:Strike=113 Dip=72 Slip= 6
NP2: 21 84 161

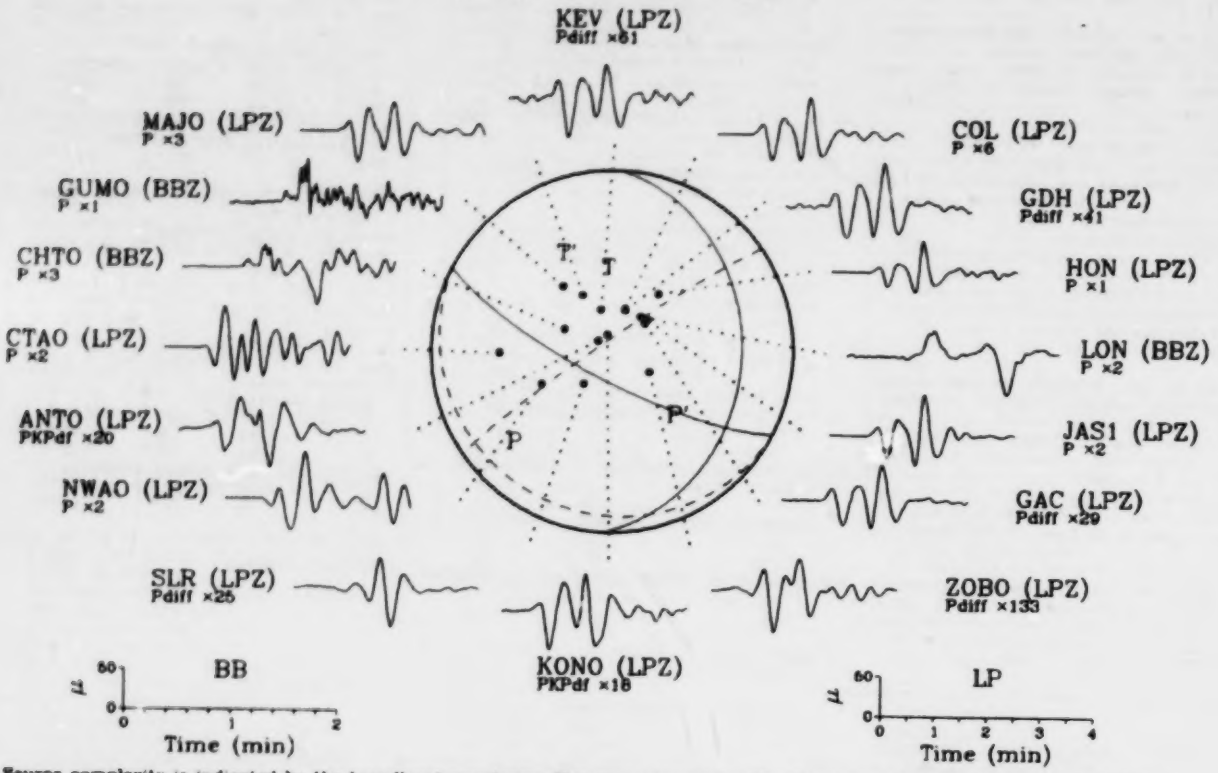
31 17 48 04.49 42.228N 142.998E 69km
5.3mb (63 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 17:48: 7.1 1.1
Lat 42.28N 0.14 Lon 142.77E 0.22
Dep 58.913.0 Half-duration 1.3
Principal Axes:
Scale 10++23 D-CM
T Val= 3.97 Plg=83 Azm=273
N -0.69 8 18
P -3.27 28 112
Best Double Couple:Mo=3.8e+18++23
NP1:Strike=220 Dip=28 Slip= 113
NP2: 15 72 82

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrove and William H. Schmieder.



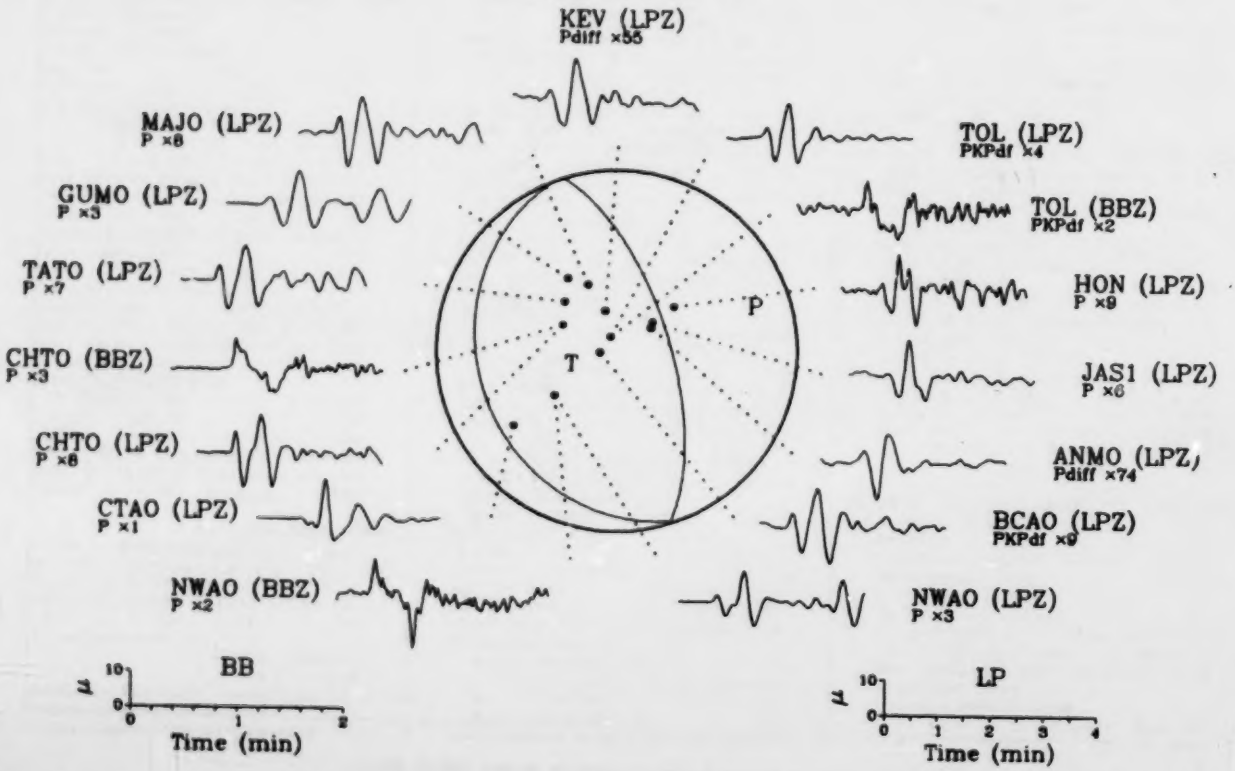
Earthquake epicenters in Alaska and adjacent regions for January, 1986 (C. Stover).

15 January 1986 20:17:42.71
Loyalty Islands Region



Source complexity is indicated by the broadband waveforms. This may account for the discrepency between the two mechanisms.

22 January 1986 12:26:45.45
Solomon Islands



EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

MB – Body wave magnitudes.
Msz – Vertical surface wave magnitudes.
UTC – Coordinated Universal Time. HR MN SEC – Hour, minute, second.
SD – Standard Deviation from the arithmetic mean of residuals.
No. Sta. – Number of stations reporting P or PKP phases used in computation.
KEY – (Printed vertically). A symbol in this column indicates additional source parameters and/or a focal sphere are published for this event in separate sections which follow the list of hypocenters. The symbols are:
a – Additional source parameters
f – Additional source parameters plus focal sphere

Symbols and Abbreviations Used in Comments

AGS Alaska Seismic Project, U.S. Geological Survey, Menlo Park, California.
APT University of Connecticut.
BGS British Geological Survey, Edinburgh, United Kingdom.
BLA Virginia Polytechnic Institute and State University, Blacksburg.
BRK University of California, Berkeley.
CL Coda length magnitude.
DOE U.S. Department of Energy (formerly AEC and ERDA).
EXPLO Some or all parameters of explosion (controlled or accidental) supplied by any group or individual other than DOE or its predecessor organizations.
GLD U.S. Geological Survey, Golden, Colorado (other than NEIS).
GS U.S. Geological Survey, Menlo Park, California.
HRV Harvard University, Cambridge, Massachusetts.
HVO Hawaiian Volcano Observatory.
JMA Japan Meteorological Agency (generally used to indicate 7-point Japanese intensity Scale).
LDG Laboratoire de Detection et de Geophysique, Bruyeres-le-Chatel, France.
MACRO Hypocenter based upon macroseismic information.
MD Duration magnitude (shown as DUR prior to 1986).
MDD Instituto Geografico Nacional, Madrid, Spain.
MG Contributed local or regional magnitude of unspecified type (see "Contributed Magnitudes" below).
MW Moment Magnitude.
NEIS U.S. Geological Survey, National Earthquake Information Service, Golden, Colorado.
OTT Earth Physics Branch, Ottawa, Canada.
PAL Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York.
PAS California Institute of Technology, Pasadena.
PGC Pacific Geoscience Centre, Sidney, British Columbia, Canada.
PMR Alaska Tsunami Warning Center, Palmer, Alaska.
REN University of Nevada, Reno.
RF Rossi-Forel Intensity Scale.
SEA University of Washington, Seattle.
SLC University of Utah, Salt Lake City.
SLM St. Louis University, Missouri.
SPEC An NEIS solution based on use of dense local networks, a local crustal model, or other methods not routinely applied in calculating the hypocenter parameters.
TEIC Tennessee Earthquake Information Center, Memphis.
TUL Oklahoma Geological Survey, Leonard.
WES Weston Observatory, Massachusetts.

Roman Numerals Used to indicate intensity (when not followed by RF or JMA they refer to the Modified Mercalli Scale or any 12-point intensity scale closely related to it).

° ' " Geographic degrees, minutes, seconds.

–P Supplied hypocenter is a preliminary computation.

Any additional 3 to 5 letter codes enclosed in parentheses or angle brackets refer to individual station codes. These codes may be found in Geological Survey Open File Report 85-714, Seismograph Station Codes and Coordinates (1985).

Symbols Following Depth

N Indicates the depth was restrained at 33 km for earthquakes whose character on seismograms indicates a shallow focus but whose depth is not satisfactorily determined by the data.

D Indicates the depth was restrained by the computer program based on 2 or more compatible pP phases and/or unidentified secondary arrivals used as pP.

G Indicates the depth was restrained by a geophysicist.

• Indicates a less well-constrained free depth. The 90% marginal confidence interval on depth is greater than 8.5 km and less than or equal to 16.0 km.

? Indicates a poorly-constrained free depth. The 90% marginal confidence interval on depth is greater than 16.0 km.

The lack of any symbol indicates that the 90% marginal confidence interval on depth is less than or equal to 8.5 km, or that a contributed hypocenter was computed with a free depth, regardless of the size of the confidence interval.

Symbols Following Origin Time

& indicates that parameters of the hypocenter were supplied or determined by a computational procedure not normally used by the National Earthquake Information Service (NEIS). The source or nature of the determination is indicated by a 2 to 5 letter code enclosed by angle brackets and appearing in the first line of comments. A "-P" appended to the code indicates that the computation is preliminary. These codes are included with the list of abbreviations above.

% indicates a single network solution. A non-furnished hypocenter has been computed using data reported by a single network of stations for which the data and/or origin time cannot be confirmed from seismograms available to a NEIS analyst. The geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 16.0 km.

• indicates a less reliable solution. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 8.5 km and less than or equal to 16.0 km.

? indicates a poor solution, published for completeness of the catalog. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 16.0 km. This includes a poor solution computed using data reported by a single network.

The lack of any symbol indicates that the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 8.5 km.

COMPARISON OF RATINGS OF INTENSITY SCALES APPEARING IN PRELIMINARY DETERMINATION OF EPICENTERS

U.S.A. Modified Mercalli (M.M.), 1931	Japanese, 1950 (JMA)	Rossi-Forel, 1873 (RF)	European (Mercalli - Conconi-Sieberg), 1917
I	0	I	I
II	I	I-II	II
III	II	III	III
IV	II-III	IV-V	IV
V	III	V-VI	V
VI	IV	VI-VII	VI
VII	IV-V	VIII-	VII
VIII	V	VIII+-IX	VIII
IX	V-VI	IX+	IX
X	VI	X	X
XI	VII	X	XI
XII	VII	X	XII

TRAVEL-TIME TABLES

In general, all hypocenters have been computed based on the 1940 Jeffreys-Bullen P and 1968 Bolt PKP travel-time tables. Some other earth model or computational procedure may have been used for those hypocenters which have been indicated by an ampersand (&) following the origin time.

FAULT PLANE SOLUTIONS

A fault plane solution is determined when possible for any earthquake having a magnitude ≥ 5.8. A description of this solution is reported in the comments on the Preliminary Determination of Epicenters Monthly Listing. Focal sphere solutions and first motion parameters are available upon request from: National Earthquake Information Service, U.S. Geological Survey, Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225.

NEIS MAGNITUDES

All magnitudes are NEIS magnitudes unless otherwise indicated. Average magnitudes are computed by a 25% trimmed mean as described by Rosenberger, J. L. and Gasko, M., 1983, "Comparing location estimators: trimmed means, medians, and trimean" in Understanding Robust and Exploratory Data Analysis, ed. Hoaglin, D.C., Mosteller, F., and Tukey, J. W., John Wiley, New York.

Ms These surface wave magnitudes are computed from the I.A.S.P.E.I. formula:

$$Ms = \text{Log } (A/T) + 1.66 \text{ Log } D + 3.3$$

where:

A is the maximum ground amplitude in micrometers (microns) of the vertical component of the surface wave within the period range $18 \leq T \leq 22$.

T is the period in seconds.

D is the distance in geocentric degrees (station to epicenter) and $20° \leq D \leq 160°$.

No depth corrections are applied, and Ms magnitudes are not generally computed for depths greater than 50 km. The Ms value published is the average of the individual station magnitudes from reported T and A data.

If the uncertainty of the computed depth is considered great enough that the depth could be less than 50 km, an MS value may still be published, computed by the I.A.S.P.E.I. formula and not corrected for depth.

In general, the Ms magnitude is more reliable than the MB magnitude as a means of yielding the relative "size" of a shallow-focus earthquake.

MB These compressional body wave (P-wave) magnitudes are computed according to the formula:

$$MB = \text{Log } (A/T) + Q(D,h)$$

defined by Gutenberg and Richter (1956) except that T, the period in seconds, is restricted to $0.1 \leq T \leq 3.0$ and A, the ground amplitude in micrometers, is not necessarily the maximum in the P group. Q is a function of distance (D) and depth (h) where $D \geq 5°$.

mbLg These Lg body wave magnitudes are computed according to the formula:

$$mbLg = 3.75 + 0.90 \text{ Log } D + \text{Log } (A/T) \text{ for } 0.5° \leq D \leq 4°$$

$$mbLg = 3.30 + 1.66 \text{ Log } D + \text{Log } (A/T) \text{ for } 4° \leq D \leq 30°$$

as proposed by Nuttli (1973) where A is the ground amplitude in micrometers and T is the period in seconds calculated from the vertical component 1-second Lg waves. D is the distance in geocentric degrees.

ML These local magnitudes are computed according to the formula:

$$ML = \text{Log } A - \text{Log } Ao$$

defined by Richter (1935) where A is the maximum trace amplitude in micrometers recorded on a standard short-period torsion seismometer and Log Ao is a standard value as a function of distance where distance $\leq$ 600 km.

CONTRIBUTED MAGNITUDES

Magnitudes appearing in the comments which have been contributed by organizations operating a network of stations may have been calculated from any one station in the network or may be an average magnitude from a number of stations from the network.

Beginning with January, 1986, a contributed magnitude of unspecified type may be quoted (using the designator MC) for events which have no other magnitudes given or computed. These MC magnitudes either have been reported by the contributer without listing the type (such as "Mag 3.5") or have been computed using procedures which are not defined by the magnitude types routinely reported in this bulletin. Direct inquiries should be made to the contributer (shown in parentheses after the magnitude) concerning the specific details of the computational procedures used to determine these values.

REFERENCES

Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Annali di Geofisica, v. 9, no. 1, p. 1-15.

Nuttli, O. W., 1973, Seismic wave attenuation and magnitude relations for eastern North America: Journal of Geophysical Research, v. 78, no. 5, p. 876-885.

Richter, C. F., 1935, An instrumental earthquake scale: Bulletin of the Seismological Society of America, v. 25, p. 1-32.

WAVEFORM PLOTS

Each month selected events with MB ≥ 5.0 will be shown. For each event, up to sixteen body phase waveforms will be selected for display around the periphery of an equal area plot of the lower hemisphere of the focal sphere. Each waveform will be connected by a dotted line to a symbol marking the corresponding azimuth and take-off angle on the focal sphere. For reference, the nodal planes, compression axis (P), and tension axis (T) will also be plotted when solutions are available. The dominant double couple of the USGS moment tensor will be shown in solid lines with the axes designated by P and T respectively. The NEIS first motions fault plane solution will be shown in dashed lines with the axes designated by P' and T' respectively. If both solutions are available, the primed axes may be suppressed unless they are sufficiently different from the unprimed axes. Each event will be titled with its origin date-time and Flinn-Engdahl region name to facilitate cross-referencing with the Monthly Listing text.

Each waveform will be identified by station code, data type, phase name and scale factor. The data type indicated by LP will be from the long-period channel of the designated station. Each LP waveform will be comprised of approximately one-half minute of noise followed by three minutes of signal. Time and amplitude are referenced to a set of axes shown in the lower right hand corner of each plot. The scale factor is an integer from which absolute amplitude, in micrometers of ground displacement at the dominant period of the pass-band (25 s), may be determined. Absolute amplitude may be recovered by measuring the amplitude of the seismogram relative to the amplitude axis and dividing it by the scale factor. Other data types are indicated by IP (intermediate-period channel), SP (short-period channel), and BB (broad-band displacement). As these types of data have a different pass-band than LP data, different time and amplitude scales than those used for LP data will generally be needed. These scales will be shown in the lower left hand corner of each plot. As with the LP waveforms, the absolute amplitudes of the other data types may be recovered from the amplitude scale and the scale factor. For IP data, the absolute amplitude is referenced to 10 seconds. For SP data, the absolute amplitude is referenced to the dominant period of the pass-band (1 s). BB data are directly proportional to displacement from 0.01 Hz to at least 2 Hz. In addition, each component will be identified by a direction indicator (ie. N, E, and Z for north-south, east-west, and vertical, respectively). Note that the dominant period approximation will not be valid for IP data. However, the scaling will still be correct.

Waveforms will primarily be selected to display variations in the P waveform as a function of azimuth. If space permits, some PKP waveforms may be shown as well. To this end, waveforms which are clipped, non-linear, or very noisy will be rejected. Further, only one of several stations at similar distance and azimuth may be used if all show similar waveforms. Note that the importance of a record in focal parameter derivation will not be considered. Thus, many seismograms will be shown which have not been used in the USGS moment tensor solution. Conversely, records which have been important in constraining one or both solutions may have been passed over for lack of space. The data are derived from the U.S.G.S. Global Digital Seismograph Network (GDSN) and from data contributed by other organizations for distribution on either the Network Day Tapes or Event Tapes. For details on data sources, see the National Earthquake Information Center Newsletter.

W. P. Buland and M. Zirbes, U.S. Geological Survey, Mail Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225 USA

EXPLANATION OF THE ENTRIES "MOMENT TENSOR SOLUTION" (USGS)

These solutions have been determined using the body-wave moment tensor inversion method described by Sipkin (1982).

1. NUMBER OF STATIONS: Number of GDSN stations with distances between approximately 30 and 95 degrees found to have suitable P waveforms. Only unfiltered long-period vertical components are used.

2. DEPTH: The source depth which gives the smallest normalized mean-squared-error. This is the only hypocentral parameter determined since the inversion procedure is insensitive to small errors in both epicenter and origin time.

3. SCALE)
)
4. PRINCIPAL AXES) See "Centroid, Moment Tensor (HRV)"
)
5. BEST DOUBLE COUPLE)

S. A. Sipkin, U.S. Geological Survey, Mail Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225 USA

REFERENCES

Sipkin, S. A., 1982, Estimation of earthquake source parameters by the inversion of waveform data: synthetic seismograms: Physics of the Earth and Planetary Interiors, v. 30, no. 2-3, p. 242-259.

BERKELEY MOMENT

The seismic moment (Mo) contributed by the University of California, Berkeley (BRK), is given for regional earthquakes based on Wood-Anderson torsion seismograms recorded within 300 km of the epicenter with peak-to-peak amplitudes of at least 3 mm. This seismic moment (Mo) in dyne-cm is defined by Log Mo = 16.74 + 1.22Log(CDΔ), where C is the maximum peak-to-peak amplitude in mm, D is the duration in seconds from the time of the S-wave onset to the last time that the peak-to-peak amplitude exceeds C/3, and Δ is the epicentral distance in km.

Bolt, B.A. and Herraiz, M. 1983, Simplified estimation of seismic moment from seismograms: Bulletin of the Seismological Society of America, v. 73, p. 735-748.

EXPLANATION OF THE ENTRIES "CENTROID, MOMENT TENSOR (MRV)"

These solutions have been determined using the long period body and mantle wave moment tensor inversion method described by Dziewonski, et.al. (1981) considering corrections due to an aspherical earth structure of model M84C (Woodhouse and Dziewonski, 1984).

1. DATA USED; currently both GDSN and IDA data are used. The numbers following the entries L. P. BODY WAVES and MANTLE WAVES indicate the number of stations (S), total number of records (C) and T is the cut-off period of the low pass filter for each of the subsets of data. Mantle waves are routinely used in inversion for sources with moments greater than 10^{+26} dyne-cm.

2. CENTROID LOCATION; hypocentral parameters obtained by adding perturbations resulting from inversion to the parameters reported in the PDE; standard errors follow the individual entries. If a given parameter is not perturbed in inversion, this is indicated by the letters FIX. If the depth is fixed to be consistent with waveform matching of reconstructed broad-band body waves, this is indicated by the letters BDY. The default depth for shallow earthquakes is increased to 15 km. in order to improve the stability of solutions; it was 10 km. in 1981-1985.

3. MOMENT TENSOR. The scale factor (e.g., 10^{+27}-CM) is the number by which all subsequent entries related to values of the moment should be multiplied. For the moment tensor we give components in a spherical coordinate system: MRR = M_{rr}; MTT = $M_{\theta\theta}$; MFF = $M_{\phi\phi}$; MRT = $M_{r\theta}$; MRF = $M_{r\phi}$; MTF = $M_{\theta\phi}$. In another frequently used notation: MRR = M_{zz}; MTT = M_{xx}; MFF = M_{yy}; MRT = M_{xz}; MRF = $-M_{yz}$; MTF = $-M_{xy}$(see Aki and Richards, 1980, p. 118). The solutions are constrained to have MRR + MTT + MFF = 0. The values following the entries for the elements of the moment tensor and centroid co-ordinates are standard errors, calculated under the usual assumption of uncorrelated errors in the data. The lateral heterogeneity of the Earth, however, clearly leads to systematic errors, and so the errors listed probably underestimate the true error in the solution.

4. PRINCIPAL AXES; rotation of the moment tensor into the principal axes system. Most of the solutions are predominantly of the double couple type: the largest positive eigenvalue corresponds to the tension axis (T); the usually small, intermediate eigenvalue is associated with the null axis (N); the smallest negative eigenvalue is identified with the compression axis (P). PLG are the plunges and AZM the azimuths of the axes.

5. BEST DOUBLE COUPLE. If the eigenvalue (T) is σ_1' and (P) is $-\sigma_3'$, then the scalar seismic moment is defined as $M_0 = 1/2(\sigma_1' + \sigma_3')$. The strike, dip and slip of the first (NP1) and second (NP2) nodal planes are calculated from the directions of the P, T, and N axes. The remainder is a linear-vector dipole (Knopoff and Randall, 1970); in most cases the magnitude of LVD is small. Although all such decompositions are highly non-unique, this particular one is the best in estimating the starting solution for the non-linear, constrained double couple inverse problem. The angles strike, dip, and slip are defined using the convention of Aki and Richards (1980, p. 106) and are the angles designated there as ϕ_s, δ, λ, respectively.

A. M. Dziewonski, G. Ekstrom, J. Franzen, D. Giardini and J. H. Woodhouse, Department of Geological Sciences, Harvard University, Cambridge, MA 02138

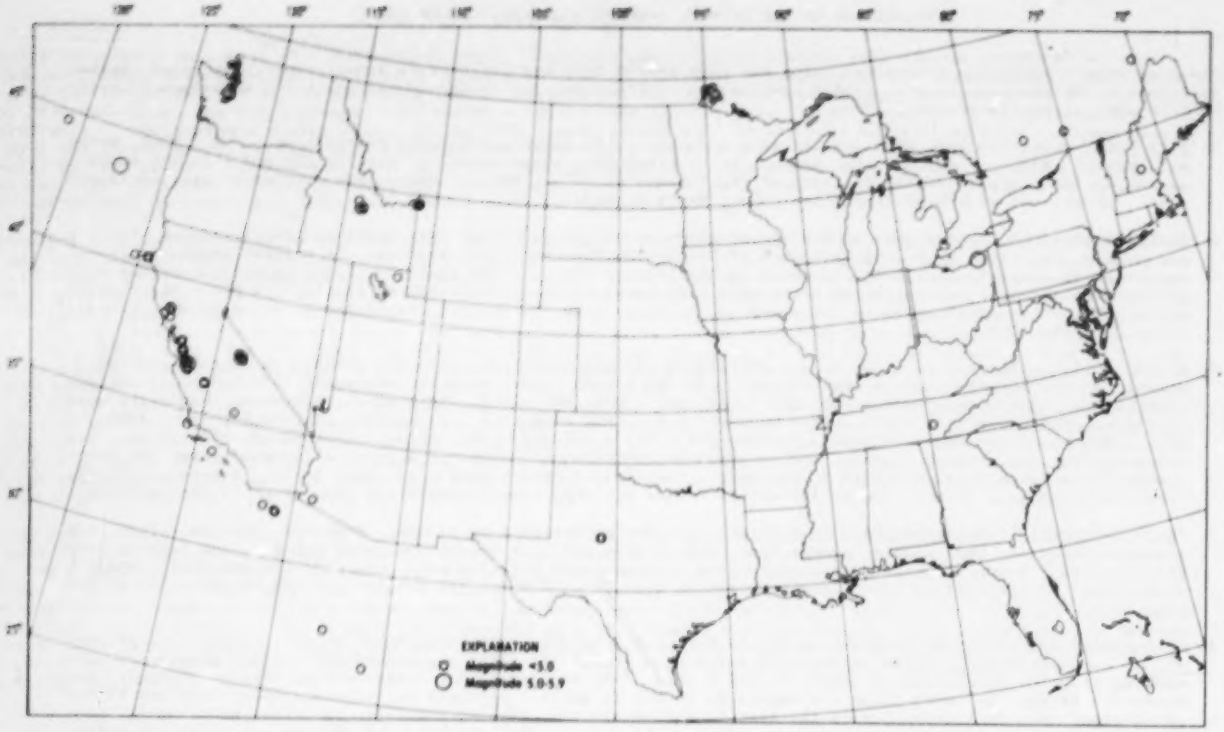
REFERENCES

Aki, K. and Richards, P. G., Quantitative Seismology, Volume 1, W. H. Freeman, San Francisco, 1980, 557 pp.

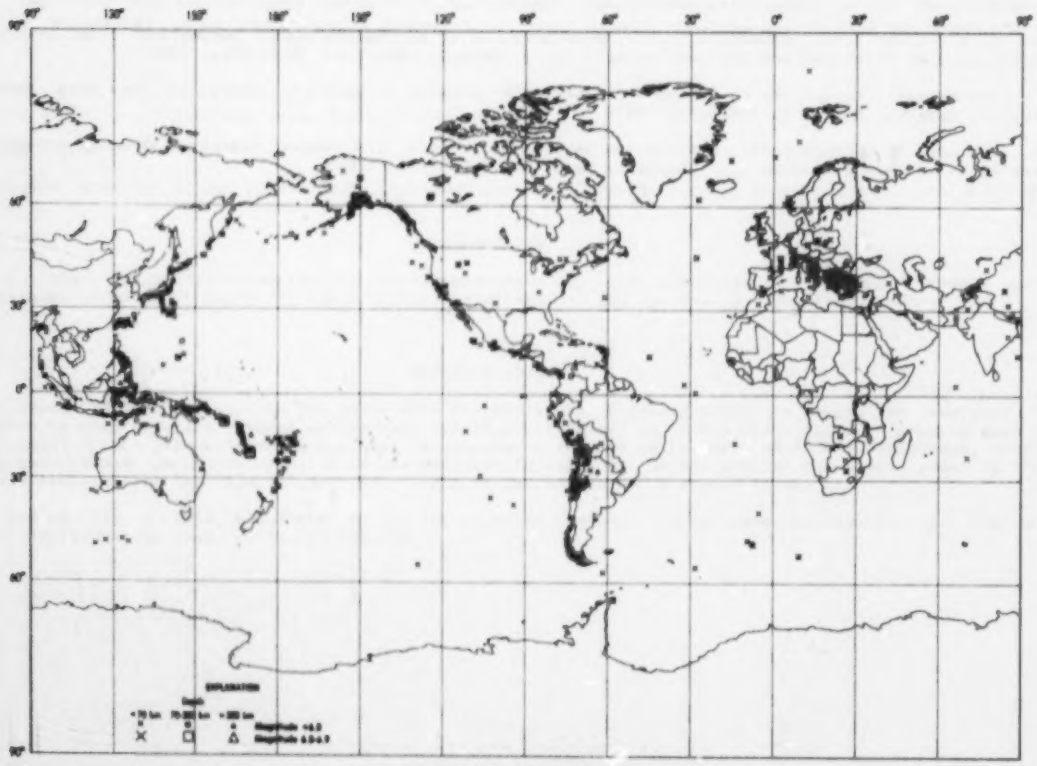
Dziewonski, A. M., Chou, T. A., Woodhouse, J. H., Determination of earthquake source parameters from waveform data for studies of global and regional seismicity, J. Geophys. Res., 86, 2825-2852, 1981.

Knopoff, L. and Randall, M. J., The compensated linear-vector dipole: A possible mechanism for deep earthquakes, J. Geophys. Res., 75, 4957-4963, 1970.

Woodhouse, J. H. and A. M. Dziewonski, Mapping the upper mantle: Three dimensional modelling of earth structure by inversion of seismic waveforms, J. Geophys. Res., 89, 5953-5986, 1984.



Earthquake epicenters in the conterminous United States and adjacent regions for January, 1986 (C. Stover).



Earthquakes located in January, 1986 (C. Stover).

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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

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FEBRUARY 1986

K E Y	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	08	59.1*	7.163	N	76.144	W	33	N	4.9	3.6	1.1	8	NORTHERN COLOMBIA
	01	01	28	24.5	40.887	N	27.612	E	20	*			0.3	8	TURKEY
	01	02	32	45.7	37.451	N	118.452	W	5	G			0.5	14	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (PAS).
	01	02	45	16.8*	10.582	S	160.713	E	33	N	4.4		1.1	8	SOLOMON ISLANDS
	01	02	56	55.8	40.783	N	27.561	E	25		3.8		1.0	36	TURKEY
	01	03	01	00.3%	40.889	N	27.531	E	10	G			0.9	7	TURKEY
	01	03	04	12.1%	40.822	N	27.567	E	10	G			0.6	6	TURKEY
	01	03	31	39.2?	17.48	N	99.93	W	33	N	4.1		0.8	8	GUERRERO, MEXICO
	01	03	31	53.5	43.688	N	143.294	E	197		4.9		0.9	128	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Kushiro. Also felt at Hachinohe, Honshu.
	01	03	49	06.1%	40.781	N	27.369	E	10	G			1.4	6	TURKEY
	01	04	11	21.4?	66.24	N	149.96	W	10	G			1.1	5	ALASKA. ML 3.4 (PMR).
	01	04	16	27.1?	17.80	S	65.93	W	33	N			0.9	5	BOLIVIA
	01	04	48	09.3%	40.812	N	27.598	E	10	G			0.5	6	TURKEY
	01	05	14	31.5*	37.207	N	69.728	E	33	N	4.5		0.2	5	AFGHANISTAN-USSR BORDER REGION
	01	06	00	05.5	42.448	N	19.949	E	10	G			1.3	18	YUGOSLAVIA. MD 3.0 (TTG).
	01	06	08	56.5	31.129	S	69.179	W	129		4.1		0.8	20	SAN JUAN PROVINCE, ARGENTINA
	01	06	09	54.4	44.610	N	111.023	W	5	G			0.5	9	HEBGEN LAKE REGION. ML 2.8 (NEIS).
	01	08	51	25.8	37.471	N	118.784	W	5	G			0.6	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (BRK).
	01	09	55	33.5	11.567	N	86.887	W	33	N	4.5	4.4	1.3	32	NEAR COAST OF NICARAGUA
	01	10	10	25.1*	29.822	N	113.883	W	10	G	4.5		1.3	13	GULF OF CALIFORNIA
	01	11	05	49.4?	51.60	N	20.50	E	10	G			1.5	5	POLAND. ML 2.7 (KRA).
	01	11	14	15.2	42.352	N	19.924	E	10	G			0.8	7	YUGOSLAVIA. MD 2.8 (TTG).
	01	12	18	57.3*	50.854	S	7.177	W	10	G	5.3	4.3	0.7	9	SOUTH ATLANTIC RIDGE
	01	13	58	38.8*	31.820	S	72.514	W	49	*			0.8	18	OFF COAST OF CENTRAL CHILE
	01	14	06	56.1*	31.877	S	72.738	W	33	N			1.4	11	OFF COAST OF CENTRAL CHILE
	01	14	39	27.6*	31.497	S	68.670	W	107	*			0.9	15	SAN JUAN PROVINCE, ARGENTINA
	01	14	57	52.0	16.061	N	95.312	W	18		5.0		0.9	73	OAXACA, MEXICO
	01	15	00	35.8	2.906	N	124.075	E	392	*	4.9		1.0	24	CELEBES SEA
	01	15	03	17.6%	40.810	N	27.546	E	10	G			0.5	6	TURKEY
	01	15	05	06.0*	31.999	S	72.296	W	10	G			0.7	16	OFF COAST OF CENTRAL CHILE
	01	15	34	15.8	42.315	N	18.952	E	10	G			0.4	6	YUGOSLAVIA. MD 2.6 (TTG).
	01	16	29	10.7%	31.587	S	68.286	W	5	?			1.2	6	SAN JUAN PROVINCE, ARGENTINA
	01	17	35	34.9	50.047	S	7.012	W	10	G	4.8		1.0	14	SOUTH ATLANTIC RIDGE
	01	18	21	15.8?	50.24	S	7.19	W	10	G	4.4		0.9	12	SOUTH ATLANTIC RIDGE
	01	20	48	12.0?	17.24	N	62.32	W	17				0.3	10	LEEWARD ISLANDS. ML 3.9 (FDF).
	01	20	55	37.8*	7.848	S	117.497	E	268	?	3.9		0.8	10	BALI SEA
o	02	01	44	05.4	13.626	S	166.693	E	31	G	5.8	5.6	1.2	122	VANUATU ISLANDS. Depth from broadband displacement seismograms.
o	02	05	29	38.6	44.908	N	28.159	W	10	G	5.0	5.2	1.1	119	NORTH ATLANTIC RIDGE
	02	06	02	56.2*	31.661	S	117.078	E	33	N			1.5	5	WESTERN AUSTRALIA
	02	06	50	21.2?	6.26	S	130.68	E	123	?	4.6		1.2	15	BANDA SEA
	02	07	13	26.4*	25.242	S	176.850	W	33	N	5.1		1.2	21	SOUTH OF FIJI ISLANDS
	02	07	20	17.6%	18.501	N	60.651	W	33	N			0.4	8	LEEWARD ISLANDS. ML 2.8 (FDF).
	02	09	12	26.2	5.001	S	152.531	E	70	*	3.7		0.8	9	NEW BRITAIN REGION
	02	10	08	48.5&	31.870	N	115.880	W	6	G				6	BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	02	10	25	31.6	44.567	N	10.366	E	24				0.9	29	NORTHERN ITALY. ML 3.4 (LDG), 3.4 (KBA).
	02	13	29	44.8	17.386	N	145.477	E	475	*	4.5		0.9	38	MARIANA ISLANDS
	02	14	44	59.7*	41.838	N	141.785	E	33	N	4.3		1.5	10	HOKKAIDO, JAPAN REGION
	02	16	23	06.1%	31.862	S	66.766	W	33	N			0.8	7	LA RIOJA PROVINCE, ARGENTINA
	02	18	12	38.3?	31.22	S	68.68	W	102	*			1.0	8	SAN JUAN PROVINCE, ARGENTINA
	02	18	47	47.2	24.883	N	123.128	E	10	G	4.8		1.0	19	SOUTHWESTERN RYUKYU ISLANDS
	02	19	31	22.8&	40.802	N	124.063	W	25	G				6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
	02	20	39	45.1?	51.42	N	179.29	E	33	N	4.5		1.0	19	RAT ISLANDS, ALEUTIAN ISLANDS
	02	22	04	36.2*	61.984	N	124.349	W	10	G	4.2		1.3	9	NORTHWEST TERRITORIES, CANADA
	02	22	07	30.3	36.957	N	120.994	W	5	G			0.7	11	CENTRAL CALIFORNIA. ML 2.8 (BRK).
	02	22	11	36.4?	36.99	N	22.83	E	10	G			1.0	5	SOUTHERN GREECE. ML 3.3 (ATH).
	02	22	44	26.7*	2.895	N	95.711	E	31		4.7		0.9	12	OFF W COAST OF NORTHERN SUMATERA

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I 19.66:

	02	23	28	09.2•	13.852	S	166.354	E	33	N	4.2	1.4	12	VANUATU ISLANDS
	03	00	33	00.0	36.949	N	71.900	E	131	?	4.7	1.1	34	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog, USSR
	03	00	53	07.9?	20.72	S	171.60	E	33	N	4.5	0.4	6	VANUATU ISLANDS REGION
	03	00	53	30.0?	33.28	S	70.83	W	30	•		1.0	8	CHILE-ARGENTINA BORDER REGION
	03	01	14	12.5	28.282	N	140.729	E	33	N		0.7	12	BONIN ISLANDS REGION
	03	03	36	29.9	42.341	N	20.005	E	10	G		0.4	6	YUGOSLAVIA. MD 2.6 (TTG).
	03	04	07	59.9•	33.921	N	134.781	E	40	?		0.6	9	SHIKOKU, JAPAN. Felt (I JMA) at Tokushima. Also felt (I JMA) at Wakayama, Honshu.
	03	05	10	17.5&	31.842	N	115.757	W	8	G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.7 (ECX).
	03	05	22	13.9•	23.987	S	66.748	W	212			1.4	11	JUJUY PROVINCE, ARGENTINA
	03	06	20	41.7•	11.615	S	117.478	E	33	N	4.3	1.4	8	SOUTH OF SUMBAWA ISLAND
	03	06	34	49.0%	31.624	S	71.674	W	33	N		0.4	9	NEAR COAST OF CENTRAL CHILE
	03	08	11	24.1•	6.333	S	149.065	E	65	?	4.8	0.6	6	NEW BRITAIN REGION
	03	08	45	50.9•	30.248	S	177.838	W	33	N	5.2	1.4	19	KERMADEC ISLANDS. Felt on Raoul Island.
	03	10	20	40.6	43.103	N	2.137	W	10	G		1.1	17	SPAIN. ML 3.3 (LDG), 3.3 (MDD).
	03	10	39	55.0%	32.771	S	69.360	W	10	G		0.5	6	MENDOZA PROVINCE, ARGENTINA
	03	11	01	22.1&	19.357	N	155.822	W	7				36	HAWAII. <HVO-P>. ML 4.0 (HVO). Felt.
	03	11	52	12.7•	13.581	S	166.757	E	33	N	4.1	1.2	13	VANUATU ISLANDS
	03	12	28	09.2&	32.250	N	117.730	W	6	G			10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	03	13	12	43.9•	10.699	S	160.492	E	33	N	4.4	0.3	8	SOLOMON ISLANDS
	03	14	46	52.0	42.272	N	19.983	E	10	G		0.6	6	YUGOSLAVIA. MD 2.6 (TTG).
	03	15	12	46.7	15.075	N	92.072	W	16		4.7	1.2	46	MEXICO-GUATEMALA BORDER REGION. About 500 houses damaged at Ixchiguan, San Marcos Province, Guatemala. Damage to adobe houses in Mexico near the Tacana Volcano. Felt at Tapachula, Mexico.
	03	15	48	06.6•	33.584	S	72.441	W	18		4.5	1.4	17	OFF COAST OF CENTRAL CHILE
	03	15	58	39.0	0.866	S	129.669	E	33	N	4.8 3.7	1.4	42	HALMAHERA
	03	15	56	55.6•	36.338	N	70.942	E	33	N	4.7	1.1	15	HINDU KUSH REGION
	03	17	03	08.4&	59.007	N	153.984	W	105				24	SOUTHERN ALASKA. <AGS-P>.
	03	17	28	24.0	21.245	S	68.699	W	111	•	4.5	0.6	9	CHILE-BOLIVIA BORDER REGION
	03	18	57	47.1	33.224	S	70.533	W	98	?		0.3	10	CHILE-ARGENTINA BORDER REGION
	03	19	37	29.3•	18.996	S	169.427	E	254	•	4.8	1.1	20	VANUATU ISLANDS
	03	20	25	01.4•	62.427	N	124.392	W	10	G		0.4	5	NORTHWEST TERRITORIES, CANADA
	03	20	45	27.3	39.902	N	122.821	W	5	G		1.3	7	NORTHERN CALIFORNIA. ML 2.8 (BRK).
f	03	20	47	35.3	27.791	N	139.552	E	508	G	5.8	1.2	432	BONIN ISLANDS REGION. mb 6.5 (PAS). Felt (I JMA) on Chichi-shima. Felt (I JMA) at Gifu, Tokyo and Fukushima, Honshu. Depth from broadband displacement seismograms.
	03	22	09	40.1?	58.72	N	18.98	E	10	G		1.2	7	POLAND. ML 3.1 (KRA).
	03	22	23	10.4•	27.454	N	139.812	E	33	N		1.0	6	BONIN ISLANDS REGION
	03	23	41	59.8	8.888	N	122.702	E	65	•	4.9	1.2	34	MINDANAO, PHILIPPINE ISLANDS
	03	23	43	16.7?	34.66	N	82.29	W	10	G	3.9	1.0	7	NORTH ATLANTIC OCEAN
	04	00	37	51.0%	39.080	N	29.984	E	10	G		1.3	10	TURKEY
	04	00	46	57.2?	31.25	S	69.91	W	33	N		1.3	6	SAN JUAN PROVINCE, ARGENTINA
	04	04	56	58.0	28.365	N	140.512	E	75	•	4.8	0.8	31	BONIN ISLANDS REGION
	04	05	29	02.5?	42.31	N	18.94	E	10	G		0.4	4	YUGOSLAVIA. ML 2.2 (TTG).
	04	06	40	11.9?	42.3.	N	18.94	E	10	G		0.2	4	YUGOSLAVIA. ML 2.8 (TTG).
	04	06	55	54.9	48.036	N	6.656	E	14			0.7	18	FRANCE. ML 3.1 (LDG).
	04	07	03	40.7	48.036	N	6.687	E	10	G		0.5	7	FRANCE. ML 2.6 (LDG).
	04	07	29	35.9?	31.37	S	67.72	W	10	G		0.5	6	SAN JUAN PROVINCE, ARGENTINA
	04	07	52	26.2&	62.385	N	150.912	W	76				23	CENTRAL ALASKA. <AGS-P>.
	04	08	04	05.0	47.584	N	152.646	E	141	D	5.0	0.8	98	KURIL ISLANDS
	04	09	02	42.3%	42.271	N	18.917	E	10	G		0.5	6	YUGOSLAVIA. MD 2.4 (TTG).
	04	12	27	38.3&	60.512	N	151.816	W	73				34	KENAI PENINSULA, ALASKA. <AGS-P>.
e	04	13	38	59.4	19.617	S	175.397	W	213	•	5.3	1.3	56	TONGA ISLANDS
	04	14	15	38.7?	13.65	N	87.92	W	33	N	3.7	1.0	10	HONDURAS
	04	15	48	53.9	4.708	N	127.633	E	126	•	4.9	0.9	51	TALAUD ISLANDS
	04	17	49	49.6•	18.028	S	178.870	W	571	•	4.8	1.1	28	FIJI ISLANDS REGION
	04	19	43	56.6	36.426	N	70.696	E	203	D	4.8	0.9	122	HINDU KUSH REGION. Felt (III) at Khorog, USSR.
	04	19	57	43.3&	57.470	N	151.436	W	56				26	KODIAK ISLAND REGION. <AGS-P>.
	04	20	26	16.7•	8.230	S	119.930	E	204	?	4.2	1.1	10	FLORES ISLAND REGION
	04	21	23	44.9•	16.298	N	46.623	W	10	G	4.6	1.0	10	NORTH ATLANTIC RIDGE
	04	22	33	48.7?	29.61	S	177.84	W	87	•	4.9	1.3	15	KERMADEC ISLANDS. Felt on Raoul Island.
	04	23	05	06.2?	33.41	S	179.19	W	33	N	3.9	1.2	8	SOUTH OF KERMADEC ISLANDS
	04	23	56	06.8%	39.246	N	27.714	E	10	G		1.1	7	TURKEY
	05	00	39	19.6?	16.64	S	177.75	W	420		3.8	1.1	15	FIJI ISLANDS REGION
	05	01	12	22.0	30.220	S	64.336	W	10	G	4.8	1.1	24	CORDOBA PROVINCE, ARGENTINA. Felt at Cordoba.
	05	01	43	21.8•	31.987	S	72.141	W	10	G		0.8	12	OFF COAST OF CENTRAL CHILE
	05	03	39	48.9	10.888	S	161.289	E	101	•	4.6	0.8	13	SOLOMON ISLANDS
	05	05	37	16.9	7.205	S	126.662	E	391	•	4.9	1.1	33	BANDA SEA
	05	06	02	25.1?	43.47	N	2.70	E	10	G		0.5	5	FRANCE. ML 3.1 (LDG).
	05	07	15	07.6•	67.883	N	150.583	W	10	G	4.0	1.2	12	ALASKA
	05	09	32	12.6	28.295	N	140.587	E	42	•	4.8 3.8	1.3	27	BONIN ISLANDS REGION
	05	10	00	11.0	80.881	N	122.077	E	10	G	4.9	1.1	25	EAST OF SEVERNAYA ZEMLYA
	05	10	18	56.4&	61.664	N	150.693	W	59				44	SOUTHERN ALASKA. <AGS-P>.
	05	12	00	07.9?	40.45	N	124.73	W	10	G		0.8	9	NEAR COAST OF NORTHERN CALIF. ML 2.9 (BRK).
	05	13	25	40.4•	28.469	S	69.349	W	106	•		1.0	12	CHILE-ARGENTINA BORDER REGION
	05	14	26	18.9	44.643	N	111.078	W	5	G		0.9	11	HEBGEN LAKE REGION. ML 3.4 (NEIS).
	05	14	34	55.2•	5.129	N	126.016	E	33	N	4.7	1.1	16	MINDANAO, PHILIPPINE ISLANDS
	05	14	37	01.6	44.636	N	111.073	W	5	G		0.6	11	HEBGEN LAKE REGION. ML 2.9 (NEIS).
	05	15	01	38.0	5.679	S	152.683	E	33	N	4.8	1.1	14	NEW BRITAIN REGION
	05	15	25	24.3?	44.17	N	114.19	W	5	G		1.1	6	WESTERN IDAHO. ML 2.8 (NEIS).
	05	15	45	34.1	67.901	N	150.160	W	33	N	4.5	1.5	33	ALASKA
	05	17	42	45.9•	61.988	N	124.483	W	10	G		1.2	6	NORTHWEST TERRITORIES, CANADA
	05	17	53	32.9	82.775	N	4.888	E	30		5.0	1.2	63	NORWEGIAN SEA. ML 4.7 (EDI), MD 4.2 (BER). Felt (VI) in western Norway.
	05	18	00	38.2	5.842	S	104.275	E	33	N	5.1	1.0	87	SOUTHERN SUMATERA
	05	18	23	04.7?	38.73	N	20.28	E	10	G		1.5	5	GREECE. ML 3.7 (ATH).
	05	18	43	46.4	40.754	N	23.09?	E	10	G		0.8	11	GREECE
	05	18	50	05.1?	82.39	N	4.61	E	10	G		0.6	5	NORWEGIAN SEA. MD 2.8 (BER).
	05	19	51	38.5	1.092	N	127.244	E	140	?	5.0	0.8	29	HALMAHERA
	05	21	00	50.2	50.197	N	12.403	E	10	G		1.1	7	GERMANY

	05	21 54 27.2?	32.53	N	142.19	E	33	N	3.7		1.4	6	SOUTH OF HONSHU, JAPAN
	05	21 59 36.5	29.792	N	98.328	E	33	N	5.1	4.3	1.0	111	TIBET
	05	22 52 51.5	46.283	N	12.697	E	15				1.3	35	NORTHERN ITALY. ML 3.3 (PUR), 3.3 (LDG), 3.1 (KBA), 3.1 (TRI).
	05	23 00 45.3•	45.798	N	27.637	W	10	G	4.3		1.0	12	NORTH ATLANTIC RIDGE
	05	23 27 53.6•	17.497	S	178.949	W	586		4.2		0.6	15	FIJI ISLANDS REGION
	05	23 31 14.9•	31.731	S	69.455	W	127	?			0.8	8	SAN JUAN PROVINCE, ARGENTINA
	06	00 33 31.5?	50.94	N	19.65	E	10	G			1.2	6	POLAND. ML 2.8 (KRA).
	06	01 00 10.0	43.610	N	0.552	W	10	G			1.1	25	PYRENEES. ML 3.7 (LDG), 3.7 (MDD). Felt (IV).
	06	01 31 14.0	42.190	N	20.016	E	10	G			1.0	10	YUGOSLAVIA. MD 2.6 (TTG).
	06	04 51 51.9	28.718	S	70.762	W	101	•			1.0	26	CENTRAL CHILE
	06	04 53 45.3•	44.690	N	9.829	E	10	G			1.2	7	NORTHERN ITALY. ML 2.7 (LDG).
	06	05 24 04.7•	4.679	S	150.931	E	33	N	4.2		0.8	10	NEW BRITAIN REGION
	06	06 00 32.5	50.247	N	12.427	E	10	G			0.2	6	GERMANY
	06	07 17 21.4%	40.096	N	29.325	E	10	G			0.7	6	TURKEY
	06	07 59 02.2	44.224	N	7.624	E	10	G			0.7	12	NORTHERN ITALY. ML 2.9 (LDG).
	06	08 26 24.3	44.215	N	7.492	E	9				1.0	41	NORTHERN ITALY. ML 3.5 (LDG), 3.1 (KBA).
	06	08 49 59.5•	68.152	N	156.689	W	33	N			0.7	7	ALASKA. ML 3.3 (PWR).
	06	09 17 13.6	50.240	N	12.426	E	10	G			0.2	9	GERMANY. ML 3.0 (KBA), 2.7 (GRF).
	06	09 25 27.3	5.836	S	146.064	E	13		4.8		0.9	22	EAST PAPUA NEW GUINEA REGION
	06	10 04 06.9	39.240	N	119.417	W	5	G			0.4	7	NEVADA. ML 2.8 (BRK).
	06	10 17 55.7	30.606	S	117.272	E	10	G			0.9	6	WESTERN AUSTRALIA. Felt (IV) in the Cadoux area.
	06	10 21 38.3	39.914	N	23.378	E	10	G			0.2	8	AEGEAN SEA
	06	11 44 12.8?	18.58	S	119.22	E	33	N			1.3	5	NORTHWEST OF AUSTRALIA
	06	12 38 48.7•	39.537	N	141.749	E	33	N			0.4	6	HONSHU, JAPAN. Felt (II JMA) at Miyako.
	06	13 00 13.8	27.908	N	139.427	E	532	D	4.9		0.9	94	BONIN ISLANDS REGION
	06	13 22 03.2	44.625	N	111.061	W	5	G			0.9	10	HEBGEN LAKE REGION. ML 3.4 (NEIS).
	06	13 31 02.4%	38.593	N	4.137	W	0	G			0.8	6	SPAIN. Probable explosion.
	06	14 10 50.6•	27.606	N	140.188	E	60	?	4.1		1.4	8	BONIN ISLANDS REGION
	06	15 14 58.3	67.898	N	155.994	W	33	N	5.1	5.0	1.4	51	ALASKA
	06	15 25 54.4	36.366	N	71.049	E	212		4.8		0.8	98	AFGHANISTAN–USSR BORDER REGION. Felt (III) at Khorog, USSR. Felt also at Peshawar, Pakistan.
	06	17 35 35.8•	31.736	S	69.126	W	127	?			0.8	15	SAN JUAN PROVINCE, ARGENTINA
	06	18 43 25.8	43.217	N	1.079	W	27				1.2	25	PYRENEES. ML 3.8 (LDG), 3.8 (MDD). Felt (IV).
	06	20 06 01.1?	36.77	N	71.08	E	33	N	4.7		0.4	5	AFGHANISTAN–USSR BORDER REGION
	06	20 24 34.9	50.246	N	12.445	E	10	G			0.3	9	GERMANY. ML 2.7 (KBA), 2.3 (GRF).
	06	20 28 52.9	50.254	N	12.432	E	10	G			0.3	8	GERMANY. ML 1.8 (GRF).
	06	20 31 32.2?	19.82	N	109.28	W	10	G	4.6		1.5	11	REVILLA GIGEDO ISLANDS REGION
	06	21 28 53.2•	61.713	N	124.873	W	10	G			0.2	5	NORTHWEST TERRITORIES, CANADA
	06	22 13 02.0	42.349	N	19.973	E	10				0.8	16	YUGOSLAVIA. ML 3.1 (TTG).
	06	22 28 47.9?	34.48	N	61.41	W	10	G	4.0		1.2	15	NORTH ATLANTIC OCEAN
	07	00 09 23.3&	31.850	N	115.810	W	9					11	BAJA CALIFORNIA. <PAS–P>. ML 4.0 (PAS).
	07	00 15 46.2&	31.840	N	115.830	W	6	G				6	BAJA CALIFORNIA. <PAS–P>. ML 3.0 (PAS).
	07	00 40 03.4&	31.860	N	115.820	W	9					10	BAJA CALIFORNIA. <PAS–P>. ML 3.8 (PAS).
	07	00 41 34.4?	32.16	S	68.59	W	122	?			0.1	5	MENDOZA PROVINCE, ARGENTINA
	07	00 53 31.4•	38.633	N	20.667	E	10	G			0.5	5	GREECE
	07	01 08 52.0&	31.451	N	116.629	W	8	G				3	BAJA CALIFORNIA. <ECX–P>. MD 2.4 (ECX).
	07	01 16 27.9?	7.63	N	137.35	E	33	N	4.6		1.5	9	WEST CAROLINE ISLANDS
	07	01 18 22.7?	43.00	N	16.00	E	10	G			0.9	6	YUGOSLAVIA. MD 3.6 (TRI), 3.4 (KBA).
	07	02 47 47.2•	1.326	N	85.291	W	10	G	4.6	4.7	1.4	16	OFF COAST OF ECUADOR
	07	02 48 43.5•	36.253	N	27.918	E	33	N			1.0	7	DODECANESE ISLANDS
	07	02 52 07.9•	16.140	S	167.122	E	33	N	4.6		1.3	14	VANUATU ISLANDS
	07	03 42 54.4&	31.664	N	115.903	W	8	G				3	BAJA CALIFORNIA. <ECX–P>. MD 2.6 (ECX).
o	07	03 54 58.5	45.472	N	27.926	W	10	G	4.9	5.3	1.2	95	NORTH ATLANTIC RIDGE
	07	05 06 18.9?	0.04	S	130.02	E	33	N			1.3	6	WEST IRIAN REGION
	07	07 36 46.7	0.853	N	129.796	E	33	N	5.0	4.6	1.2	49	HALMAHERA
	07	07 40 01.0&	31.820	N	115.820	W	6	G				7	BAJA CALIFORNIA. <PAS–P>. ML 3.4 (PAS).
	07	08 07 51.0?	18.88	S	169.35	E	277	•	4.6		1.1	8	VANUATU ISLANDS
	07	08 11 49.1•	39.753	N	25.844	E	10	G			1.1	12	AEGEAN SEA
	07	10 47 22.3•	10.215	S	161.070	E	69	•	4.4		1.1	13	SOLOMON ISLANDS
	07	13 11 57.5&	31.891	N	115.791	W	8	G				3	BAJA CALIFORNIA. <ECX–P>. MD 2.6 (ECX).
	07	13 12 07.6%	39.195	N	28.370	E	10	G			1.1	5	TURKEY
	07	13 22 27.4•	15.871	S	167.496	E	170	•	4.2		1.0	9	VANUATU ISLANDS
	07	13 28 50.4&	31.900	N	115.840	W	6	G				7	BAJA CALIFORNIA. <PAS–P>. ML 3.0 (PAS).
	07	13 36 55.5	42.360	N	20.009	E	10	G			0.9	9	YUGOSLAVIA. ML 2.5 (TTG).
	07	15 59 15.3	25.059	S	179.729	E	522	•	4.5		1.1	39	SOUTH OF FIJI ISLANDS
	07	16 22 45.2?	39.11	N	29.35	E	10	G			0.9	5	TURKEY
	07	18 36 22.3&	41.645	N	81.157	W	6					1	OHIO. <GLD>. mbLg 2.5 (NEIS). Felt at Chardon, Hambden, Mentor and Painesville. Largest aftershock of the Jan. 31, 1986 earthquake.
	07	18 42 17.0%	28.780	S	67.121	W	10	G			0.9	6	LA RIOJA PROVINCE, ARGENTINA
	07	18 57 57.6	6.208	S	154.985	E	08		4.8		1.1	20	SOLOMON ISLANDS
	07	19 16 14.6	48.035	N	6.546	E	2?				0.9	19	FRANCE. ML 3.0 (LDG).
	07	19 37 35.2&	60.296	N	153.498	W	172					19	SOUTHERN ALASKA. <FAS–P>.
	07	19 47 31.3•	37.626	N	71.868	E	10	G	4.0		1.3	7	AFGHANISTAN–USSR BORDER REGION
	07	19 50 19.4	42.292	N	20.818	E	10	G			0.5	11	YUGOSLAVIA. ML 2.6 (TTG).
	07	19 57 55.7•	0.006	S	130.184	E	33	N	3.9		1.0	8	WEST IRIAN REGION
	07	20 24 41.0?	35.45	S	71.26	W	33	N			0.6	10	CENTRAL CHILE
	07	20 26 46.3&	31.894	N	115.795	W	8	G				4	BAJA CALIFORNIA. <ECX–P>. MD 2.6 (ECX).
	07	21 26 54.8	17.978	N	101.439	W	60	•	4.9		1.2	74	NEAR COAST OF GUERRERO, MEXICO. Felt in southwestern Mexico and at Mexico City.
	07	22 53 16.4	48.983	N	49.526	E	33	N	4.7		1.1	21	EASTERN CAUCASUS
	07	22 54 01.6	40.462	N	22.655	E	10	G			0.3	8	GREECE
o	07	23 46 31.7	13.322	S	166.234	E	33	N	5.4	5.0	1.3	65	VANUATU ISLANDS
	07	23 55 01.1?	33.53	S	72.56	W	33	N			0.9	12	OFF COAST OF CENTRAL CHILE
	08	00 06 46.2•	40.520	N	141.486	E	101		4.1		1.1	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Hachinohe and Miyako.
o	08	00 28 54.5	23.903	N	92.987	E	39	D	5.2	4.9	1.0	114	INDIA–BANGLADESH BORDER REGION. Felt at Shillong, India and at Rangamati, Bangladesh.
o	08	00 36 03.2	36.324	N	33.938	W	10	G	4.8		1.1	51	AZORES ISLANDS REGION
	08	01 01 28.5•	62.621	N	124.054	W	10	G			0.8	6	NORTHWEST TERRITORIES, CANADA
	08	01 49 11.9	12.165	N	125.620	E	33	N	4.9		1.0	26	SAMAR, PHILIPPINE ISLANDS
	08	02 16 15.4?	1.28	S	138.97	E	33	N	4.8		1.4	6	NEAR N. COAST OF WEST IRIAN

88	02	46	25.8	39	961	N	23.736	E	10	G		0.8	11	AEGEAN SEA
88	05	04	14.1%	44	311	N	6.836	E	10	G		0.3	6	FRANCE. ML 2.7 (LDG).
88	06	27	38.9•	27	276	N	54.246	E	33	B		1.3	5	SOUTHERN IRAN
88	06	46	19.8•	39	833	N	62.988	E	10	G	4.1	1.1	12	TURKMEN SSR
88	07	14	50.3•	50	945	N	14.563	E	10	G		1.3	6	CZECHOSLOVAKIA
88	07	25	58.5•	8	885	S	72.720	E	10	G	4.5	1.4	11	CHAGOS ARCHIPELAGO REGION
88	09	14	55.2	54	871	N	5.296	W	0	G		0.6	12	UNITED KINGDOM. ML 2.5 (ESK). Probable explosion.
88	09	39	00.2•	52	015	N	172.814	E	33	N	4.7	0.9	16	NEAR ISLANDS, ALEUTIAN ISLANDS
88	11	41	04.6%	31	060	N	115.880	W	6	G			6	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
88	12	26	01.47	42	10	N	140.54	E	117	?	4.7	1.0	17	HOKKAIDO, JAPAN REGION
88	13	22	23.4%	60	007	N	152.899	W	94				32	SOUTHERN ALASKA. <AGS-P>.
88	13	54	23.0%	61	622	N	151.514	W	82				24	SOUTHERN ALASKA. <AGS-P>.
88	16	48	05.4	19	099	N	121.216	E	53		4.9 4.5	1.1	58	PHILIPPINE ISLANDS REGION. Felt (I RF) at Pasuquin.
88	17	06	34.9•	17	928	S	69.758	W	180	?		0.5	6	PERU-BOLIVIA BORDER REGION
88	18	33	08.7%	40	655	N	29.915	E	10	G		0.6	5	TURKEY
88	18	56	48.1•	33	256	S	72.566	W	10	G		0.6	13	OFF COAST OF CENTRAL CHILE
88	21	09	50.3%	42	748	N	7.644	E	27			1.1	17	WESTERN MEDITERRANEAN SEA. ML 3.0 (LDG).
88	21	26	29.8•	34	644	S	70.520	W	33	N		1.1	15	CHILE-ARGENTINA BORDER REGION
88	22	00	57.1•	21	998	N	93.796	E	74	•	4.3	1.0	16	BURMA
88	23	18	06.3•	7	457	S	154.724	E	33	N	4.2	1.2	10	SOLOMON ISLANDS
88	23	22	33.6•	28	128	N	140.493	E	33	N	4.5	1.2	11	BONIN ISLANDS REGION
88	23	50	05.07	51	92	N	172.67	E	33	N	4.1	1.1	8	NEAR ISLANDS, ALEUTIAN ISLANDS
89	00	14	58.2•	61	875	S	159.283	E	10	G	4.8	0.7	8	BALLENY ISLANDS REGION
89	01	24	53.0•	30	031	S	118.468	E	33	N		1.6	5	WESTERN AUSTRALIA. Felt at Kellerberrin and Bolilidu.
89	02	47	08.6	11	323	S	165.994	E	102	•	5.0	1.1	45	SANTA CRUZ ISLANDS
89	06	03	35.3•	36	089	N	143.075	E	33	N	4.4	0.9	9	OFF EAST COAST OF HONSHU, JAPAN
89	06	08	59.7•	82	671	N	7.991	W	10	G	4.7	1.5	13	NORTH OF SVALBARD
89	07	03	48.8•	44	391	N	114.127	W	5	G		0.3	7	WESTERN IDAHO. ML 2.7 (NEIS).
89	07	16	27.4•	18	117	S	178.188	W	601	•	4.3	1.0	19	FIJI ISLANDS REGION
89	08	06	39.6•	38	882	N	22.183	E	10	G		0.5	9	GREECE
89	11	37	02.2•	26	113	S	177.333	W	148	•	5.2	1.2	35	SOUTH OF FIJI ISLANDS
89	11	39	43.17	11	31	S	117.88	E	33	N	3.9	1.1	7	SOUTH OF SUMBAWA ISLAND
89	11	51	49.5	9	719	N	122.376	E	53	•	4.8	1.3	55	NEGROS, PHILIPPINE ISLANDS
89	12	13	55.9•	52	523	N	168.397	W	33	N	4.4	1.2	14	FOX ISLANDS, ALEUTIAN ISLANDS
89	12	36	28.2•	19	877	S	69.586	W	162	•		0.2	6	NORTHERN CHILE
89	12	42	56.1	48	690	N	126.452	E	33	N	4.7	1.1	29	NORTHEASTERN CHINA
89	13	29	34.27	16	88	N	62.85	W	188	?		0.5	11	LEEWARD ISLANDS
89	14	04	21.5	40	550	N	22.822	E	10	G		0.4	10	GREECE
89	15	16	24.9•	5	701	N	95.275	E	61	•	4.4	1.5	11	NORTHERN SUMATERA
89	16	19	00.8•	53	714	N	168.857	E	33	N	4.3	0.9	14	KOMANDORSKY ISLANDS REGION
89	16	32	42.8•	40	935	N	49.819	E	33	N	4.4	1.3	16	EASTERN CAUCASUS
89	16	32	45.4•	10	793	N	122.865	E	119	?	3.4	1.1	10	PANAY, PHILIPPINE ISLANDS
89	16	49	59.27	53	40	N	160.24	E	33	N	4.6	0.8	8	NEAR EAST COAST OF KAMCHATKA
89	17	36	15.87	30	15	S	71.29	W	33	N		0.2	5	NEAR COAST OF CENTRAL CHILE
89	17	51	39.8	46	386	N	13.859	E	12			1.3	31	AUSTRIA. ML 3.6 (FUR), 3.5 (GRF). MD 3.1 (TRI).
89	18	27	37.4•	33	558	S	71.798	W	10	G		0.7	13	NEAR COAST OF CENTRAL CHILE
89	19	00	55.8%	31	683	S	70.581	W	33	N		0.6	7	CHILE-ARGENTINA BORDER REGION
89	19	19	14.4•	22	181	S	179.691	W	601	•	4.9	1.1	36	SOUTH OF FIJI ISLANDS
89	19	57	45.17	30	34	S	68.84	W	33	N		0.6	5	SAN JUAN PROVINCE, ARGENTINA
89	20	01	38.6	6	050	S	130.557	E	116	?	4.7	1.1	22	BANDA SEA
89	20	32	46.9•	61	551	N	5.573	E	10	G		1.2	6	SOUTHERN NORWAY. MD 2.9 (BER).
89	21	01	58.9•	50	999	N	171.762	W	33	N	4.4	0.9	26	ALEUTIAN ISLANDS REGION
89	21	36	30.6	45	164	N	10.168	E	10	G		0.9	20	NORTHERN ITALY. ML 3.0 (LDG).
89	23	12	56.1•	80	145	N	1.473	E	10	G	4.0	1.2	9	NORTH OF SVALBARD
• 89	23	32	11.9	36	110	S	71.304	W	86	D	5.3	1.0	92	CENTRAL CHILE. Felt (II) at Santiago.
10	00	08	59.5•	50	914	N	7.062	E	10	G		1.4	5	GERMANY. ML 2.2 (BNS).
10	00	42	03.2%	32	170	N	117.570	W	6	G			11	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.6 (PAS).
10	01	53	05.17	17	20	S	172.52	W	33	N	4.4	1.2	8	TONGA ISLANDS REGION
10	03	49	22.1•	22	412	S	172.999	E	33	N	4.4	1.1	9	LOYALTY ISLANDS REGION
10	04	49	34.8%	62	127	N	150.870	W	72				38	CENTRAL ALASKA. <AGS-P>.
10	05	02	11.9%	59	659	N	152.528	W	67				31	SOUTHERN ALASKA. <AGS-P>.
10	05	53	16.1•	11	812	N	86.847	W	33	N	4.3	1.2	26	NEAR COAST OF NICARAGUA
10	06	50	14.0	12	876	N	125.078	E	33	N	4.7	1.3	30	SAMAR, PHILIPPINE ISLANDS
10	09	31	48.7	28	867	S	66.739	W	190	•		0.7	18	CATAMARCA PROVINCE, ARGENTINA
• 10	09	51	12.6	21	585	S	170.484	E	181		5.8	1.0	171	LOYALTY ISLANDS REGION
10	12	38	29.4%	60	266	N	152.802	W	115				23	SOUTHERN ALASKA. <AGS-P>.
10	12	42	44.3•	24	112	S	66.925	W	202	•		1.2	9	SALTA PROVINCE, ARGENTINA
10	12	43	54.1•	23	297	S	68.6[illegible]5	W	33	N		0.7	7	NORTHERN CHILE
10	13	29	40.17	50	19	N	179.[illegible]5	W	33	N	4.2	1.6	7	ANDREANOF ISLANDS, ALEUTIAN IS.
10	15	08	09.5•	7	783	N	36.485	W	10	G	4.4	1.1	13	CENTRAL MID-ATLANTIC RIDGE
10	15	26	18.3%	31	491	S	68.520	W	33	N		0.3	5	SAN JUAN PROVINCE, ARGENTINA
10	15	31	23.4•	5	486	S	104.136	E	83	•	4.6	1.0	16	SOUTHERN SUMATERA
10	16	06	29.2•	33	841	S	71.494	W	10	G		0.7	9	NEAR COAST OF CENTRAL CHILE
10	16	22	53.4	37	770	N	121.901	W	10			1.1	13	CENTRAL CALIFORNIA. ML 2.5 (BRK).
10	16	39	53.7•	62	163	N	124.445	W	10	G		1.3	6	NORTHWEST TERRITORIES, CANADA
10	16	42	14.0%	36	170	N	120.170	W	6	G			14	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
10	17	12	07.0%	48	392	N	121.951	W	1	G			11	WASHINGTON. <SEA>. ML 2.3 (NEIS). Felt in the Mount Vernon-Concrete area.
10	18	05	08.0%	48	396	N	121.949	W	1	G			24	WASHINGTON. <SEA>. ML 3.7 (NEIS). Felt (V) at Lyman and Sedro Woolley, (IV) at Clearlake, Concrete, Hamilton and Silvana. Felt (III) at Darrington, Marblemount and Stanwood.
10	18	27	31.4	36	336	N	120.774	W	10	G		0.6	11	CENTRAL CALIFORNIA. ML 2.6 (BRK).
• 10	18	33	47.2	39	537	N	143.274	E	36		5.5 5.9	1.3	223	OFF EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyako, Moriaka, Aomori and (I JMA) at Hachinohe, Ofunato and Sendai. Felt also at Akita. Felt (I JMA) at Obihiro, Hokkaido.
10	19	02	48.5	39	337	N	143.661	E	33	N	4.4	0.9	27	OFF EAST COAST OF HONSHU, JAPAN
10	20	04	54.8•	39	359	N	143.579	E	33	N	4.2	1.4	10	OFF EAST COAST OF HONSHU, JAPAN
10	20	16	52.2•	39	352	N	143.687	E	33	N	4.4	0.9	19	OFF EAST COAST OF HONSHU, JAPAN
10	20	36	22.1	39	446	N	143.462	E	31		5.0	1.0	77	OFF EAST COAST OF HONSHU, JAPAN
10	20	45	01.7	27	944	S	26.753	E	5	G	5.0	1.1	34	REPUBLIC OF SOUTH AFRICA. Minor damage at Welkom and to the St. Helena gold mine.

	10	21 46 52.1*	39.416	N	143.639	E	33	N	4.2		1.0	12	OFF EAST COAST OF HONSHU, JAPAN
	10	23 25 05.6?	33.26	S	72.19	W	33	N			0.5	9	OFF COAST OF CENTRAL CHILE
	10	23 57 51.8	5.421	S	147.883	E	187		5.4		1.0	63	EAST PAPUA NEW GUINEA REGION
e	11	01 15 57.2	41.634	N	125.353	W	10	G	5.0	5.0	1.2	197	OFF COAST OF NORTHERN CALIFORNIA. ML 4.7 (BRK).
	11	01 34 08.7*	28.197	N	140.660	E	33	N	4.6		1.2	16	BONIN ISLANDS REGION
	11	01 51 15.3	2.289	N	128.022	E	106	*	5.2		1.2	32	HALMAHERA
	11	04 00 30.8%	40.159	N	24.834	E	10	G			0.4	5	AEGEAN SEA
	11	04 11 54.7&	31.773	N	116.221	W	0	G				3	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
	11	04 13 17.4*	5.691	S	130.988	E	81	*	4.9		1.5	19	BANDA SEA
	11	04 38 38.8	37.461	N	118.875	W	5	G			0.9	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (PAS)
	11	04 58 11.3*	36.493	N	2.885	E	10	G	4.0		1.3	26	ALGERIA. ML 4.1 (MDD). Felt at Blida.
	11	05 55 35.2*	50.299	N	18.962	E	10	G			1.6	5	POLAND
	11	06 41 50.8%	19.135	S	68.572	W	33	N			0.8	5	CHILE-BOLIVIA BORDER REGION
	11	06 54 22.5*	19.128	S	68.570	W	33	N			0.5	6	CHILE-BOLIVIA BORDER REGION
	11	07 14 24.2	36.372	N	70.910	E	119	*	4.9		1.2	84	HINDU KUSH REGION. Felt (IV) at Dushanbe and (III) at Dangara, Khorog, Kulyab, Nurek and Samarkand, USSR. Also felt at Kabul, Afghanistan.
	11	11 07 28.0	37.877	N	3.964	W	10	G			0.9	7	SPAIN. MG 3.0 (MDD)
	11	12 01 34.5	28.139	N	142.807	E	33	N	4.8		1.0	20	BONIN ISLANDS REGION
	11	12 31 1* 8&	64.738	N	88.778	W	10	G	3.6			11	NORTHWEST TERRITORIES, CANADA. <OTT-P>. mbLg 3.7 (OTT)
	11	13 00 26.0	20.315	S	173.789	W	35	D	5.0	5.0	1.1	59	TONGA ISLANDS
	11	14 44 49.2	23.883	S	67.061	W	210		4.6		1.0	17	CHILE-ARGENTINA BORDER REGION
	11	16 58 02.47	30.04	N	66.49	E	33	N	4.1		0.6	6	PAKISTAN
	11	18 26 50.1	44.783	N	8.780	E	10	G			1.1	19	NORTHERN ITALY. ML 3.9 (LDG).
	11	20 21 19.1	37.431	N	118.649	W	5	G			0.6	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (PAS).
	11	20 21 32.8%	40.781	N	27.968	E	10	G			0.3	7	TURKEY
	11	21 55 07.5	62.118	N	124.229	W	10	G	4.1		1.1	15	NORTHWEST TERRITORIES, CANADA
	11	22 26 08.6	44.635	N	111.062	W	5	G			0.7	10	HEBGEN LAKE REGION. ML 3.2 (BUT).
	11	22 26 55.0	44.658	N	111.081	W	5	G			0.8	15	HEBGEN LAKE REGION. ML 4.2 (NEIS).
	11	23 35 22.8*	36.163	N	140.027	E	33	N			0.8	7	NEAR EAST COAST OF HONSHU, JAPAN
	12	01 16 43.8*	8.473	S	108.521	E	58	*	4.6		1.5	21	JAVA
	12	02 47 17.2	58.991	S	25.393	W	33	N	5.0		0.9	53	SOUTH SANDWICH ISLANDS REGION
f	12	02 59 30.4	36.384	N	141.128	E	30	G	6.1	5.9	1.1	428	NEAR EAST COAST OF HONSHU, JAPAN. Ms 5.9 (PAS), 5.8 (BRK). Felt (IV JMA) at Mito and Choshi, (III JMA) in the Fukushima-Utsunomiya-Tokyo area, (II JMA) in the Kofu-Sendai-Morioka area, and (I JMA) in the Toiyama-Iida-Niigata-Ofunato area. Also felt (I JMA) at Urakawa, Hokkaido. Depth from broadband displacement seismograms.
	12	02 59 48.9	2.415	N	84.378	W	10	G	5.0	4.4	1.0	61	OFF COAST OF CENTRAL AMERICA
	12	03 08 19.8?	23.89	N	122.01	E	33	N	4.3		1.4	10	TAIWAN REGION
	12	03 47 11.8*	36.463	N	140.984	E	55	*	4.6		1.2	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
	12	03 51 26.0*	18.764	S	69.836	W	33	N			0.5	5	NORTHERN CHILE
	12	07 42 47.7*	6.671	S	147.445	E	33	N	4.2		1.3	12	EAST PAPUA NEW GUINEA REGION
o	12	09 01 09.8	6.569	S	147.290	E	39		5.8	5.7	1.1	261	EAST PAPUA NEW GUINEA REGION. Felt strongly at Lae.
	12	10 28 42.2*	36.322	S	72.035	W	33	N	4.5		0.9	15	NEAR COAST OF CENTRAL CHILE
o	12	11 27 45.4	6.536	S	147.433	E	34		5.6	5.5	1.1	146	EAST PAPUA NEW GUINEA REGION
	12	11 54 12.9	34.670	N	82.938	E	33	N	5.0		0.6	42	TIBET
	12	13 06 41.8*	18.812	S	168.782	E	101	*	4.4		1.3	20	VANUATU ISLANDS
	12	13 33 09 9?	15.32	N	96.05	E	33	N			0.3	5	SOUTH BURMA
	12	13 38 19.1*	9.184	S	126.686	E	33	N	4.8		1.5	8	TIMOR
	12	13 41 25.2	24.084	S	67.323	W	201	*			0.8	11	CHILE-ARGENTINA BORDER REGION
	12	14 01 40.1*	17.732	S	177.923	W	467	*	4.6		1.2	21	FIJI ISLANDS REGION
	12	14 36 57.7?	51.58	N	16.07	E	10	G			0.5	5	POLAND. ML 3.0 (KBA).
	12	16 13 42.2?	13.57	S	166.42	E	33	N	5.0		1.3	8	VANUATU ISLANDS
	12	17 20 54.4?	38.79	N	21.23	E	10	G			1.1	11	GREECE
	12	17 52 08.6*	40.160	N	24.092	E	10	G			0.7	9	AEGEAN SEA
	12	18 19 56.7	54.637	N	161.676	E	33	N	5.0		0.8	62	NEAR EAST COAST OF KAMCHATKA
	12	19 16 12.1?	44.19	N	7.19	E	10	G			0.4	5	NORTHERN ITALY. ML 2.5 (LDG).
	12	21 44 49.1	23.406	N	142.993	E	33	N	4.7		0.7	21	VOLCANO ISLANDS REGION
	12	22 32 32.2*	39.987	S	176.627	E	46	*	4.4		1.2	12	NORTH ISLAND, NEW ZEALAND. Felt strongly in Hawkes Bay County.
	12	23 02 12.8	1.684	N	127.385	E	135	*	5.4		1.0	73	HALMAHERA
o	12	23 41 38.6	17.019	N	62.329	W	22		5.2	5.3	1.1	149	LEEWARD ISLANDS. ML 5.4 (FDF). Felt on Nevis, St. Kitts, Montserrat and Antigua. Felt (IV) at Pointe-a-Pitre, Guadeloupe.
	12	23 51 38.0*	6.360	S	147.475	E	31	*	4.4		1.4	12	EAST PAPUA NEW GUINEA REGION
	12	23 57 50.6	35.151	N	23.575	E	53	*	4.6	3.8	1.3	106	CRETE
	13	00 18 08.3*	45.777	N	26.675	E	145	?			0.7	9	ROMANIA
o	13	00 24 45.1	13.384	S	166.699	E	19	G	5.7	5.3	1.3	136	VANUATU ISLANDS. Depth from broadband displacement seismograms.
	13	00 44 38.7	33.479	S	72.294	W	33	N	4.7		1.1	30	OFF COAST OF CENTRAL CHILE
	13	00 56 55.9	21.211	S	68.487	W	123		4.6		1.3	46	CHILE-BOLIVIA BORDER REGION
	13	01 10 33.5*	33.483	S	72.394	W	33	N	4.3		1.0	16	OFF COAST OF CENTRAL CHILE
	13	04 12 33.7?	31.21	S	68.15	W	104	?			0.9	7	SAN JUAN PROVINCE, ARGENTINA
	13	04 14 59.3?	33.53	S	72.50	W	33	N			0.4	11	OFF COAST OF CENTRAL CHILE
	13	04 39 34.8?	33.62	S	72.71	W	33	N			0.9	12	OFF COAST OF CENTRAL CHILE
	13	05 53 30.0&	60.218	N	153.207	W	129					20	SOUTHERN ALASKA. <AGS-P>.
	13	08 43 09.0	54.811	N	160.057	W	33	N	5.0	4.6	0.9	73	ALASKA PENINSULA. ML 4.6 (PMR). Felt (IV) at Sand Point, (III) at False Pass and (II) at King Cove.
	13	08 45 59.0	28.211	N	140.624	E	33	N	4.7	4.5	1.2	32	BONIN ISLANDS REGION
	13	09 24 58.9*	39.553	N	75.849	E	33	N	4.5		0.8	10	SOUTHERN XINJIANG, CHINA
	13	10 05 39.8*	6.820	S	154.879	E	33	N	4.2		1.5	10	SOLOMON ISLANDS. Felt (III) at Panguna, Bougainville.
	13	11 17 17.9	19.108	N	67.930	W	31		4.9	3.8	0.7	62	MONA PASSAGE
	13	11 35 45.5	34.755	N	82.943	W	5	G			0.6	22	SOUTH CAROLINA. mbLg 3.5 (NEIS). Felt (V) at Central, Longcreek, Walhalla and Westminster. Also felt (V) at Bowersville, Georgia. Felt (IV) at Fair Play, Liberty, Newry, Piedmont, Richland, Salem, Six Mile, Tamassee and West Union. Also felt (IV) at Martin, Georgia and Cedar Mountain and Sylva, North Carolina. Felt (III) at Canon, Franklin Springs and Reburn, Georgia and Highlands and Hendersonville, North Carolina.
	13	12 11 07.6*	24.142	S	66.847	W	231	*			0.9	10	SALTA PROVINCE, ARGENTINA

	13	12	58	18.7•	6.363	S	131.314	E	33	N		0.7	6	TANIMBAR ISLANDS REGION
	13	13	00	55.2	19.193	N	65.286	W	33	N	4.4	1.3	16	PUERTO RICO REGION. Felt in the San Juan area.
	13	13	09	42.1	21.563	N	94.650	E	118	•	4.7	0.9	19	BURMA
	13	13	28	42.2•	32.443	S	71.784	W	33	N		0.8	10	NEAR COAST OF CENTRAL CHILE
	13	13	34	10.5•	5.611	S	103.899	E	48	D	4.5	1.4	20	SOUTHERN SUMATERA
	13	16	37	44.8?	31.39	S	68.48	W	116	?		0.7	5	SAN JUAN PROVINCE, ARGENTINA
	13	16	46	26.5?	53.74	N	163.60	W	33	N	4.4	1.3	8	UNIMAK ISLAND REGION
	13	16	53	49.5	46.512	N	0.067	W	10	G		1.2	12	FRANCE. ML 2.4 (LDG).
e	13	19	08	20.5	14.227	S	167.315	E	206	D	5.7	0.9	220	VANUATU ISLANDS. mb 5.5 (BRK).
	13	19	20	30.4?	17.86	N	62.33	W	14			0.3	9	LEEWARD ISLANDS. ML 4.0 (FDF).
	13	19	24	45.9	39.456	N	143.550	E	41	•	4.8	0.8	30	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Morioka.
	13	19	30	44.1	42.349	N	20.037	E	10	G		1.0	16	YUGOSLAVIA. MD 3.1 (TTG).
	13	20	12	00.3?	15.42	N	96.71	E	33	N		0.5	5	SOUTH BURMA
	13	20	22	30.5	35.624	N	1.448	E	31		4.3	1.1	35	ALGERIA. Felt at Tiaret, Mascara and Relizane.
	13	20	29	44.5?	34.53	N	139.50	E	33	N		0.8	5	NEAR S. COAST OF HONSHU, JAPAN
	13	20	32	02.2%	31.363	S	69.718	W	33	N		1.1	5	SAN JUAN PROVINCE, ARGENTINA
	13	20	36	51.4	62.228	N	124.215	W	10	G	5.3 4.9	1.2	138	NORTHWEST TERRITORIES, CANADA. Felt at Fort Simpson, Fort Liard, Wrigley and Nahanni Butte.
	13	22	15	39.8•	62.430	N	124.103	W	10	G		0.8	6	NORTHWEST TERRITORIES, CANADA
	13	23	58	08.8•	29.340	N	128.437	E	33	N	4.5	1.3	15	EAST CHINA SEA
	14	00	56	21.2&	39.676	N	110.511	W	1				11	UTAH. <SLC-P>. ML 2.9 (SLC).
	14	01	25	46.1	36.481	N	141.133	E	52		4.8	0.9	42	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito and (I JMA) at Fukushima, Utsunomiya and Choshi.
	14	01	52	01.1	43.946	N	78.216	E	33	N	4.9	0.8	28	ALMA-ATA REGION. Felt (IV) at Chilik and (III) at Almo-Ata and Talgar.
e	14	04	00	54.1	13.464	S	167.097	E	216	•	5.1	1.1	79	VANUATU ISLANDS
	14	04	55	26.5•	19.556	S	69.813	W	139	•		1.0	8	NORTHERN CHILE
	14	05	04	24.0?	13.04	S	118.22	E	33	N	4.0	0.8	5	NORTHWEST OF AUSTRALIA
	14	05	17	16.17	16.49	S	172.91	W	33	N	4.7	1.5	14	SAMOA ISLANDS REGION
	14	05	18	52.5•	16.942	N	62.126	W	16			0.3	11	LEEWARD ISLANDS. ML 3.6 (FDF).
	14	05	25	15.2?	2.98	S	121.93	E	33	N	4.6	1.4	6	SULAWESI
	14	06	09	04.7%	34.868	N	95.373	W	5	G		0.7	7	OKLAHOMA. mbLg 1.8 (TUL).
	14	06	21	22.1•	16.974	N	62.254	W	10	G		0.2	11	LEEWARD ISLANDS. ML 3.7 (FDF).
	14	10	55	55.9	40.091	N	29.269	E	10	G		0.8	9	TURKEY
	14	11	08	56.6•	16.749	N	62.092	W	10	G		0.7	10	LEEWARD ISLANDS. ML 4.0 (FDF).
	14	11	54	22.6?	33.19	S	71.91	W	33	N		1.1	10	NEAR COAST OF CENTRAL CHILE
	14	12	46	33.9	63.069	N	150.835	W	97	?		0.8	11	CENTRAL ALASKA. Felt at Talkeetna.
	14	12	58	19.8•	31.283	S	68.651	W	115	?		1.2	12	SAN JUAN PROVINCE, ARGENTINA
	14	13	13	52.7•	41.122	N	20.185	E	10	G		1.5	15	ALBANIA. ML 3.2 (TTG).
	14	13	38	56.9?	32.94	S	72.36	W	33	N		0.6	7	OFF COAST OF CENTRAL CHILE
	14	14	23	37.6•	16.978	N	62.233	W	10	G		0.2	5	LEEWARD ISLANDS. ML 3.5 (FDF).
	14	14	25	33.0?	1.30	N	126.28	E	33	N		0.3	6	MOLUCCA PASSAGE
	14	16	15	11.1	79.625	N	2.789	E	10	G	4.2	0.7	9	GREENLAND SEA
	14	16	46	38.0•	41.093	N	20.187	E	10	G		1.5	12	ALBANIA
e	14	18	01	17.8	20.959	S	178.945	W	610		5.4	1.0	168	FIJI ISLANDS REGION
	14	18	24	53.6•	38.111	N	20.211	E	67	•	4.1	1.3	35	GREECE
	14	18	38	37.6•	16.293	N	61.146	W	33	•		0.4	9	LEEWARD ISLANDS. ML 3.2 (FDF).
	14	18	01	29.5	64.967	N	147.248	W	10	G		0.4	6	CENTRAL ALASKA. ML 3.2 (PMR). Felt at Fairbanks.
	14	19	03	10.4?	17.16	N	62.01	W	33	N		0.6	5	LEEWARD ISLANDS
	14	19	22	00.4•	28.973	S	67.142	W	33	N		1.4	8	LA RIOJA PROVINCE, ARGENTINA
	14	19	44	17.8	31.492	S	68.719	W	113	•		1.0	17	SAN JUAN PROVINCE, ARGENTINA
	14	19	58	41.7•	3.217	S	146.123	E	31	•		0.8	6	BISMARCK SEA
	14	19	53	52.4•	6.706	S	147.452	E	23	•		1.4	8	EAST PAPUA NEW GUINEA REGION
	14	20	00	25.1	14.248	N	92.050	W	33	N	4.9	1.2	63	NEAR COAST OF CHIAPAS, MEXICO
	14	20	05	29.0•	13.987	N	92.104	W	33	N	4.9	1.1	42	OFF COAST OF CHIAPAS, MEXICO
	14	20	12	19.7	47.369	N	153.934	E	33	N	5.2	0.8	70	KURIL ISLANDS
	14	22	21	30.9	36.806	N	121.251	W	10	G		0.7	10	CENTRAL CALIFORNIA. ML 2.8 (BRK).
	14	23	00	55.6•	24.594	S	69.004	W	149	•		1.0	11	NORTHERN CHILE
	14	23	49	06.1•	28.582	S	72.054	W	33	N		0.7	10	OFF COAST OF CENTRAL CHILE
	15	00	14	21.6•	6.460	S	154.530	E	33	N	5.0	1.4	17	SOLOMON ISLANDS
	15	01	43	07.8	46.129	N	7.587	E	10	G		1.1	66	SWITZERLAND. ML 4.0 (LDG), 3.6 (KBA), 3.6 (VKA). Felt in the Zermatt-Valais area.
	15	02	17	38.4•	6.436	S	154.591	E	33	N	4.5	1.4	9	SOLOMON ISLANDS
	15	05	10	33.7	31.732	S	69.670	W	127	?		0.8	14	SAN JUAN PROVINCE, ARGENTINA
	15	05	26	28.2•	55.175	N	161.872	E	33	N	4.4	0.9	11	NEAR EAST COAST OF KAMCHATKA
	15	05	40	47.9•	8.078	N	83.518	W	48	•	4.5	0.4	14	COSTA RICA
	15	05	47	26.8•	24.110	S	66.959	W	227	•		1.0	10	SALTA PROVINCE, ARGENTINA
	15	06	53	02.8•	40.482	N	25.710	E	10	G		1.5	5	AEGEAN SEA
	15	06	56	31.8?	17.07	S	175.34	W	289	?	4.4	0.4	9	TONGA ISLANDS
	15	06	56	49.0&	64.970	N	89.750	W	10	G	3.7		11	NORTHWEST TERRITORIES, CANADA. <OTT-P>. mbLg 3.7 (OTT).
	15	07	34	11.0	35.005	N	24.797	E	40	•	4.5	1.3	88	CRETE
	15	07	36	58.5•	35.051	N	24.737	E	44	•	4.2	1.4	23	CRETE
	15	09	53	43.2	37.123	N	121.583	W	10	G		0.3	10	CENTRAL CALIFORNIA. ML 2.6 (BRK).
	15	11	01	44.4•	45.526	N	23.114	E	33	N		0.6	5	ROMANIA
	15	12	07	59.9?	61.88	N	124.33	W	10	G		1.3	5	NORTHWEST TERRITORIES, CANADA
	15	13	51	52.0&	62.693	N	151.082	W	78				24	CENTRAL ALASKA. <AGS-P>.
	15	13	58	36.2•	34.006	S	70.335	W	11			0.7	12	CHILE-ARGENTINA BORDER REGION
	15	14	06	10.8•	5.592	S	151.278	E	33	N		1.2	6	NEW BRITAIN REGION
	15	15	16	08.8&	60.110	N	152.677	W	107				21	SOUTHERN ALASKA. <AGS-P>.
	15	16	02	16.3•	38.699	N	28.112	E	10	G		0.9	6	TURKEY
	15	17	36	50.8•	22.215	S	179.123	E	33	N	4.2	1.5	14	LOYALTY ISLANDS REGION
	15	18	31	45.3•	59.878	N	5.742	E	10	G		0.3	5	SOUTHERN NORWAY. MD 2.1 (BER).
e	15	19	56	35.9	4.412	N	62.704	E	10	G	5.2 4.6	1.0	88	CARLSBERG RIDGE
	15	21	22	01.2?	24.29	S	178.57	W	33	N	4.6	1.2	9	SOUTH OF FIJI ISLANDS
e	15	21	37	48.6	14.774	N	91.414	W	138		5.3	1.0	223	GUATEMALA. Felt in central and western Guatemala and in the Tapachula area, Mexico. Felt (II) at San Salvador, El Salvador.
	15	21	49	53.0•	28.237	N	140.782	E	33	N	4.6	1.5	13	BONIN ISLANDS REGION
	15	22	07	24.2	3.169	S	146.718	E	8		4.7	1.1	16	BISMARCK SEA
	15	22	14	02.1•	3.171	S	146.763	E	33	N	4.7	1.5	13	BISMARCK SEA
	15	22	27	00.2	39.658	N	122.082	W	26			0.8	18	NORTHERN CALIFORNIA. ML 3.3 (BRK). Mo=1.0•10••22 (BRK). Felt (III) at Durham and (II) at Artois. Also felt at

	15	23	04	24.17	38.95	N	26.03	E	10	G		Chico.
	15	23	08	32.6*	8.381	S	128.138	E	33	N	4.6	0.6 6 AEGEAN SEA
	16	02	06	14.9	34.359	N	26.723	E	33	N	4.1	1.4 17 TIMOR SEA
	16	02	47	48.4	66.645	N	135.923	W	23		4.9	1.4 23 CRETE
												1.2 59 NORTHERN YUKON TERRITORY, CANADA. Felt at Fort McPherson, Aklavik, and Inuvik, Northwest Territories.
	16	02	53	10.4%	46.276	N	2.645	E	10	G		0.6 5 FRANCE. ML 1.6 (LDG).
	16	03	38	38.97	13.56	S	167.79	E	33	N	4.9	1.6 9 VANUATU ISLANDS
	16	03	58	08.7*	37.589	N	71.447	E	33	N	4.3	1.1 9 AFGHANISTAN-USSR BORDER REGION
	16	04	17	02.4*	32.533	S	72.023	W	33	N		1.4 23 OFF COAST OF CENTRAL CHILE
	16	05	51	44.2*	3.147	S	146.714	E	33	N	4.4	1.4 6 BISMARCK SEA
	16	06	25	23.7?	33.91	S	71.71	W	33	N		1.3 10 NEAR COAST OF CENTRAL CHILE
	16	07	01	24.8	31.688	S	68.775	W	124	*		0.8 18 SAN JUAN PROVINCE, ARGENTINA
	16	07	26	45.9?	54.53	N	159.70	W	33	N	4.1	1.3 5 SOUTH OF ALASKA
	16	08	26	38.8*	4.514	S	136.885	E	33	N	3.8	1.3 7 WEST IRIAN REGION
	16	08	51	22.5	23.856	S	179.869	W	514	*	4.9	1.2 58 SOUTH OF FIJI ISLANDS
	16	08	51	52.8&	59.788	N	152.295	W	54			28 SOUTHERN ALASKA. <AGS-P>.
e	16	09	09	25.5	12.348	S	167.189	E	285		5.0	1.1 111 SANTA CRUZ ISLANDS
	16	09	27	55.7?	31.45	S	68.93	W	91	?		0.1 5 SAN JUAN PROVINCE, ARGENTINA
	16	09	29	52.7?	22.37	S	175.88	W	33	N	4.9	1.3 9 TONGA ISLANDS REGION
	16	13	52	23.4*	32.011	S	72.127	W	33	N		0.7 12 OFF COAST OF CENTRAL CHILE
	16	18	19	48.1?	61.62	N	4.81	E	10	G		1.7 5 SOUTHERN NORWAY. MD 1.8 (BER).
	16	18	27	22.0*	65.594	N	151.897	W	33	N		1.4 6 ALASKA. ML 2.7 (PWR).
	16	21	31	06.1&	61.495	N	150.711	W	63			34 SOUTHERN ALASKA. <AGS-P>. Felt at Anchorage.
	16	21	50	07.4?	30.30	S	73.08	W	33	N		1.5 10 OFF COAST OF CENTRAL CHILE
	16	22	42	38.7?	26.93	N	141.90	E	33	N	4.6	1.1 7 BONIN ISLANDS REGION
	16	23	26	01.4*	13.040	N	144.000	E	107	*	4.2	0.9 9 MARIANA ISLANDS
	16	23	40	28.7*	36.471	N	70.295	E	178	?	4.7	0.8 23 HINDU KUSH REGION
	16	23	57	56.0*	3.931	S	128.231	E	47	*	4.8	1.2 8 CERAM
	17	00	39	30.5	37.791	N	121.905	W	10	G		0.6 9 CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=7.5*10**20 (BRK).
	17	01	34	10.2*	38.955	N	31.325	E	10	G		1.4 13 TURKEY
	17	02	05	14.1	20.494	S	173.584	W	33	N	4.8 5.3	1.1 35 TONGA ISLANDS
	17	02	06	35.2*	32.227	S	117.450	E	10	G		1.1 6 WESTERN AUSTRALIA
	17	02	12	33.4&	34.120	N	116.030	W	11			16 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS).
	17	03	31	34.7*	36.314	N	140.551	E	31			0.6 7 NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
	17	06	56	28.0	42.369	N	19.926	E	10	G		1.2 12 YUGOSLAVIA. MD 3.0 (TTG).
	17	08	53	38.6	42.596	N	111.301	W	5	G		0.9 7 EASTERN IDAHO. ML 3.0 (NEIS). Felt (IV) at Montpelier and (II) at Georgetown.
	17	10	58	38.6&	32.970	N	115.550	W	8			11 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS). Felt at Brawley.
	17	11	36	17.8?	43.95	N	16.68	E	10	G		1.2 6 YUGOSLAVIA. MD 3.7 (TRI). ML 3.4 (KBA).
	17	12	16	21.1	36.544	N	4.719	W	10	G		1.3 13 STRAIT OF GIBRALTAR. MG 3.6 (MDD).
	17	12	28	05.7	40.329	N	127.303	W	10	G	4.3	0.7 18 OFF COAST OF NORTHERN CALIFORNIA. ML 4.3 (BRK).
	17	12	36	15.6	36.662	N	71.168	E	33	N	5.0	0.8 16 AFGHANISTAN-USSR BORDER REGION. Felt (III) at Dushanbe and Obigarm, USSR.
	17	12	46	36.2	62.260	N	124.020	W	10	G	4.5	1.4 38 NORTHWEST TERRITORIES, CANADA
	17	13	46	42.4&	33.550	N	116.810	W	8			11 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	17	15	39	54.7?	44.64	N	13.10	E	10	G		0.5 6 ADRIATIC SEA. ML 3.1 (KBA).
	17	16	17	04.5	42.360	N	19.986	E	10	G		0.7 10 YUGOSLAVIA. MD 2.7 (TTG).
	17	16	37	19.8*	6.563	S	147.399	E	40	*	4.8	1.5 16 EAST PAPUA NEW GUINEA REGION
	17	17	29	49.4?	17.44	S	174.74	W	125	G	4.8	1.3 14 TONGA ISLANDS
	17	17	39	48.1	28.746	S	67.574	W	138		4.9	1.4 33 LA RIOJA PROVINCE, ARGENTINA
	17	18	16	38.6?	41.96	N	21.63	E	10	G		0.4 4 YUGOSLAVIA. MG 2.2 (SKO). Felt (IV) in the Skopje area.
	17	19	11	51.5	22.779	S	63.759	W	533		4.1	1.1 33 SALTA PROVINCE, ARGENTINA
	17	19	15	06.8&	32.120	N	114.890	W	6	G		5 W. ARIZ. - MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	17	19	52	26.3	40.645	N	29.186	E	10	G		0.5 7 TURKEY
	17	21	19	23.2*	17.136	N	62.183	W	32			0.4 11 LEEWARD ISLANDS. ML 3.5 (FDF).
	18	00	01	28.6	26.394	S	27.381	E	5	G		1.1 6 REPUBLIC OF SOUTH AFRICA
	18	00	10	11.6*	3.442	N	98.816	E	138		4.3	1.1 13 NORTHERN SUMATERA
	18	00	57	03.3	30.074	N	139.966	E	397		4.2	0.4 19 SOUTH OF HONSHU, JAPAN
	18	01	14	33.9*	2.625	N	128.348	E	33	N	4.7	1.3 16 HALMAHERA
	18	02	52	51.1*	13.249	S	75.168	W	93	?		0.7 8 PERU
	18	02	57	33.6*	39.183	S	119.142	E	10	G	5.0	1.4 27 OFF SOUTH COAST OF AUSTRALIA
	18	02	58	44.5	17.918	N	66.474	W	21		4.7	0.7 36 PUERTO RICO REGION. Slight damage in the Cayey, Cidra, Coamo, Ponce and Santa Isabel areas. Felt throughout Puerto Rico.
	18	04	22	20.7?	35.04	N	139.70	E	33	N		1.2 6 NEAR S. COAST OF HONSHU, JAPAN
	18	04	40	41.4?	33.49	N	139.71	E	197	?	4.0	0.3 9 SOUTH OF HONSHU, JAPAN
	18	05	34	42.2	40.683	N	23.219	E	11		4.0	1.1 39 GREECE. ML 4.0 (ATH).
	18	05	41	55.7	40.666	N	23.184	E	10	G		1.0 12 GREECE
	18	09	29	02.3?	0.03	S	123.29	E	236	?	4.5	0.3 8 MINAHASSA PENINSULA
	18	10	03	09.9	28.599	N	122.124	E	57	*	4.4	1.1 28 PHILIPPINE ISLANDS REGION
	18	11	41	07.2*	37.895	N	0.989	W	10	G		1.5 7 SPAIN. MG 3.7 (MDD). Felt (IV) at Murcia.
	18	12	24	35.0*	24.854	N	122.863	E	33	N		0.4 5 TAIWAN REGION
	18	13	10	34.8*	11.591	S	166.667	E	33	N	5.0	1.3 15 SANTA CRUZ ISLANDS
	18	14	04	29.3?	49.98	N	7.30	E	10	G		1.0 6 GERMANY
	18	14	34	03.4	40.750	N	22.040	E	21		4.8	1.2 159 GREECE. ML 4.5 (ATH), 4.5 (TTG). Slight damage (VI) in the Edhessa area. Felt (IV) in southwestern Macedonia. Also felt in the Bitola-Ohrid area, Yugoslavia.
	18	14	44	26.8	40.760	N	22.071	E	10	G		0.3 14 GREECE
	18	14	53	11.3&	58.788	N	143.348	W	30			22 GULF OF ALASKA. <AGS-P>.
	18	16	33	23.6?	7.36	S	13.45	W	10	G	4.7	1.1 8 ASCENSION ISLAND REGION
	18	17	24	39.0	5.059	S	149.759	E	491		4.6	0.7 29 NEW BRITAIN REGION
	18	18	00	57.5*	19.970	S	71.111	W	33	N	4.8	1.4 16 OFF COAST OF NORTHERN CHILE
	18	18	11	47.6	17.048	N	62.248	W	25			0.4 11 LEEWARD ISLANDS. ML 3.8 (FDF).
	18	19	33	31.4%	31.021	S	68.394	W	33	N		1.7 5 SAN JUAN PROVINCE, ARGENTINA
	18	21	55	34.7	40.672	N	23.128	E	10	G		0.9 22 GREECE. ML 3.7 (ATH).
	18	22	32	34.2*	8.682	N	83.362	W	33	N		0.4 9 COSTA RICA. MD 4.1 (HDC). Felt in the San Isidro area.
	19	00	25	48.1&	48.738	N	124.855	W	8			9 NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	19	00	47	24.1&	32.490	N	117.570	W	6	G		18 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.8 (PAS). Felt in the San Diego area.
	19	00	53	39.7	41.528	N	142.073	E	88		5.0	1.8 87 HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hachinohe, Honshu; (I JMA) at Urakawa and Mureran, Hokkaido. Also

													felt at Obihiro, Hokkaido.
	19	02	13	30.3•	17.210	N	61.204	W	32			0.7	10 LEEWARD ISLANDS. ML 3.6 (FDF).
	19	02	29	16.2•	6.694	S	147.458	E	49 •		4.5	1.4	15 EAST PAPUA NEW GUINEA REGION
	19	03	01	08.3	36.851	N	121.272	W	10 G			0.6	13 CENTRAL CALIFORNIA. ML 2.9 (BRK).
	19	04	17	19.2•	5.924	S	153.570	E	33 N		4.7	1.2	8 NEW IRELAND REGION
	19	04	39	58.4•	32.110	N	67.664	E	33 N		4.3	1.3	18 AFGHANISTAN
	19	05	23	22.0	8.061	S	123.775	E	195 •		4.8	1.3	27 FLORES ISLAND REGION
	19	05	51	45.3	40.759	N	22.099	E	10 G			0.2	7 GREECE
	19	06	43	42.7•	40.311	N	72.337	E	33 N		4.1	0.9	9 KIRGHIZ SSR
	19	07	37	40.7	32.763	S	72.811	W	33 N		4.5	1.4	25 OFF COAST OF CENTRAL CHILE. Felt (II) at Santiago.
	19	08	01	52.2•	13.068	N	85.940	W	33 N		4.6	1.2	15 NICARAGUA
	19	08	20	40.47	33.13	N	67.17	E	33 N		4.3	1.5	6 AFGHANISTAN
o	19	10	54	46.2	48.579	N	153.415	E	115 D		5.3	0.8	171 KURIL ISLANDS
o	19	11	40	27.5	18.945	N	121.304	E	77		5.6	1.1	265 LUZON, PHILIPPINE ISLANDS. Slight damage (V RF) to some old buildings at Laoag. Felt (IV RF) at Pasuquin and (II RF) at Santo. Also felt at Manila.
	19	13	27	00.5	46.275	N	1.436	E	26			0.8	34 FRANCE. ML 3.9 (LDG).
	19	14	05	16.9	40.730	N	22.132	E	10 G			1.2	10 GREECE
	19	15	36	32.2•	24.304	S	67.116	W	214 •			1.0	8 CHILE-ARGENTINA BORDER REGION
	19	15	54	57.8	42.358	N	19.991	E	10 G			1.0	11 YUGOSLAVIA. MD 2.9 (TTG).
	19	16	07	15.1	22.320	N	143.245	E	33 N		5.0	0.9	35 VOLCANO ISLANDS REGION
	19	16	17	06.9	41.256	N	22.026	E	10 G			0.3	10 YUGOSLAVIA. MG 3.1 (SKO).
o	19	17	34	24.7	25.136	N	91.184	E	18 •		5.3 4.9	1.0	157 INDIA-BANGLADESH BORDER REGION. Felt at Shillong, India and in the Dhaka area, Bangladesh.
	19	17	56	11.17	38.85	N	144.89	E	33 N		4.5	1.4	8 OFF EAST COAST OF HONSHU, JAPAN
	19	18	47	46.2•	39.458	N	75.442	E	33 N		4.2	0.5	6 SOUTHERN XINJIANG, CHINA
	19	19	17	08.5•	11.471	S	163.437	E	47 •		4.6	0.6	12 SOLOMON ISLANDS
	19	23	49	06.8	36.855	N	121.295	W	10 G			0.6	16 CENTRAL CALIFORNIA. ML 2.9 (BRK).
	20	00	01	56.2?	13.49	S	168.86	E	33 N		4.5	1.7	16 VANUATU ISLANDS
	20	00	13	43.8	14.661	N	91.833	W	182 •		4.7	1.1	56 GUATEMALA. Felt in the Quezaltenango-Retalhuleu area. Felt (II) at Guatemala City. Also felt in Chiapas, Mexico.
	20	00	35	07.5	36.848	N	121.303	W	10 G			0.6	11 CENTRAL CALIFORNIA. ML 2.6 (BRK).
	20	01	15	48.5	42.339	N	19.893	E	10 G			1.0	10 YUGOSLAVIA. ML 2.6 (TTG).
	20	02	37	14.7?	30.62	S	72.03	W	33 N			1.5	6 OFF COAST OF CENTRAL CHILE
	20	03	56	23.7&	60.463	N	152.918	W	145				36 SOUTHERN ALASKA. <AGS-P>.
	20	04	09	04.7•	52.925	N	167.982	W	33 N		4.7	1.3	15 FOX ISLANDS, ALEUTIAN ISLANDS
	20	04	15	22.7•	36.392	N	71.876	E	239 ?		4.2	0.5	12 AFGHANISTAN-USSR BORDER REGION
	20	04	23	30.9?	29.37	S	73.24	W	33 N			0.9	6 OFF COAST OF CENTRAL CHILE
	20	05	28	52.9•	31.571	S	179.982	E	325 •		4.3	1.4	15 KERMADEC ISLANDS REGION
	20	05	37	59.5	24.976	S	179.710	E	587 •		4.8	1.0	47 SOUTH OF FIJI ISLANDS
	20	06	29	12.5	2.315	N	126.923	E	45 •		5.1	1.2	63 MOLUCCA PASSAGE
	20	08	16	22.4?	28.11	N	140.34	E	33 N			1.4	6 BONIN ISLANDS REGION
o	20	09	16	02.5	21.122	S	70.116	W	33 N		5.7 5.0	1.3	156 NEAR COAST OF NORTHERN CHILE. Felt (II) at Antofagasta.
	20	11	16	19.2	35.183	N	27.778	E	33 N		3.9	1.3	18 DODECANESE ISLANDS
	20	11	51	21.5•	39.221	N	34.450	E	10 G			0.3	5 TURKEY
	20	11	56	34.8%	60.320	N	5.527	E	10 G			1.1	5 SOUTHERN NORWAY. MD 1.7 (BER).
o	20	12	16	41.7	22.060	S	179.568	W	602 D		5.7	1.1	203 SOUTH OF FIJI ISLANDS
	20	12	34	57.3	40.788	N	22.087	E	10 G			0.5	8 GREECE
	20	14	24	23.2%	60.154	N	6.949	E	10 G			1.2	5 SOUTHERN NORWAY. MD 1.7 (BER).
	20	15	22	00.0	62.355	N	124.158	W	10 G		4.3	1.2	26 NORTHWEST TERRITORIES, CANADA. Felt at Fort Simpson and Wrigley.
	20	16	05	33.3	47.375	N	5.298	E	10 G			1.1	9 FRANCE. ML 2.5 (LDG).
o	20	16	06	34.9	23.495	S	179.708	W	548		5.2	1.1	74 SOUTH OF FIJI ISLANDS
	20	16	42	20.5	42.327	N	20.044	E	10 G			0.9	12 YUGOSLAVIA. ML 3.2 (TTG).
	20	17	04	03.0?	53.25	N	159.27	E	33 N		4.5	1.0	19 NEAR EAST COAST OF KAMCHATKA
	20	17	33	36.0•	61.869	N	124.484	W	10 G			1.1	7 NORTHWEST TERRITORIES, CANADA
	20	19	58	47.1	42.361	N	19.924	E	10 G			1.1	13 YUGOSLAVIA. MD 2.8 (TTG).
	20	20	31	52.9•	35.035	N	27.682	E	33 N			0.8	6 DODECANESE ISLANDS
	20	20	54	33.9•	17.685	N	94.974	W	139 •		4.8	1.0	26 CHIAPAS, MEXICO. Felt in the states of Veracruz and Oaxaca.
	20	21	43	54.0	33.298	S	150.542	E	5 G			1.0	23 NEAR S.E. COAST OF AUSTRALIA. ML 4.1 (WER). Felt (IV) at Sydney.
	20	21	49	33.3•	36.327	N	22.882	E	33 N		3.7	0.7	5 SOUTHERN GREECE. ML 3.5 (ATH).
	21	00	04	43.3%	46.210	N	2.979	E	10 G			0.6	5 FRANCE. ML 1.5 (LDG).
	21	00	14	17.8	56.128	N	155.109	W	33 N		4.8	0.8	58 ALASKA PENINSULA. ML 4.6 (PMR).
	21	00	14	34.5?	19.76	S	68.88	W	170 ?			1.2	6 CHILE-BOLIVIA BORDER REGION
	21	00	23	37.1	42.306	N	19.933	E	10 G		3.2	1.2	20 YUGOSLAVIA. MD 3.4 (TTG).
	21	00	28	46.0•	24.395	S	65.202	W	23 •			1.6	10 SALTA PROVINCE, ARGENTINA
	21	00	34	18.6•	42.353	N	19.934	E	10 G			0.3	6 YUGOSLAVIA. MD 2.8 (TTG).
	21	00	49	50.8?	12.56	N	91.22	W	33 N		3.8	1.0	12 OFF COAST OF CENTRAL AMERICA
	21	01	04	57.8&	31.473	N	116.625	W	8 G				3 BAJA CALIFORNIA. <ECX-P>. MD 2.3 (ECX).
	21	01	15	25.3•	14.616	S	75.485	W	33 N			0.8	7 NEAR COAST OF PERU
	21	01	51	30.1?	45.80	N	3.30	E	10 G			0.4	5 FRANCE. ML 1.9 (LDG).
	21	02	51	42.5	42.319	N	19.903	E	10 G			1.1	16 YUGOSLAVIA. MD 3.2 (TTG).
	21	03	08	17.6	41.846	N	142.619	E	64		5.1	0.9	141 HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa; (II JMA) at Kushiro and Obihiro; (I JMA) at Muroran and Sapporo, Hokkaido. Felt (II JMA) at Hachinohe and (I JMA) at Morioka, Honshu.
	21	03	09	52.8•	31.117	N	113.235	W	10 G*			1.6	8 GULF OF CALIFORNIA
	21	05	00	07.0•	19.186	S	169.564	E	277 •		4.5	1.3	13 VANUATU ISLANDS
o	21	05	39	55.9	43.321	N	25.968	E	21		4.8 5.5	1.2	154 BULGARIA. ML 5.2 (TTG).
	21	06	18	35.2	43.348	N	26.128	E	16		4.2	1.1	58 BULGARIA
	21	06	30	09.8•	18.345	S	174.759	W	47 •		4.9	0.8	18 TONGA ISLANDS
	21	07	38	02.9•	12.924	N	87.785	W	33 N		4.4	1.4	13 NEAR COAST OF NICARAGUA
	21	08	00	35.6•	28.143	N	140.595	E	33 N		4.2	0.9	10 BONIN ISLANDS REGION
	21	08	36	38.7	43.202	N	26.060	E	10 G			0.9	18 BULGARIA
	21	08	37	44.2?	8.28	N	83.03	W	33 N			0.5	11 COSTA RICA. MD 4.2 (HDC).
	21	09	16	56.0%	60.000	N	6.570	E	10 G			0.3	5 SOUTHERN NORWAY. MD 1.6 (BER).
	21	10	49	43.2•	27.057	S	64.331	E	10 G		5.2	1.0	17 ATLANTIC-INDIAN RISE
	21	11	22	39.3•	11.202	S	166.380	E	33 N		4.8	1.1	17 SANTA CRUZ ISLANDS
	21	11	54	33.8?	8.46	N	82.96	W	33 N			0.8	11 PANAMA-COSTA RICA BORDER REGION. MD 4.1 (HDC).
	21	12	14	38.5	6.007	N	126.758	E	33 N		4.9	0.9	23 MINDANAO, PHILIPPINE ISLANDS

	21	13	06	23.3•	41.637	N	28.592	E	10	G		1.4	6	TURKEY
	21	13	10	21.4	4.650	S	143.607	E	102		5.1	0.9	32	PAPUA NEW GUINEA
	21	13	22	00.8	42.567	N	24.118	E	10	G		1.3	6	BULGARIA
	21	15	06	43.6?	83.29	N	117.10	E	10	G	4.1	0.8	12	NORTH OF SEVERNAYA ZEMLYA
	21	15	18	00.7	42.340	N	20.034	E	10	G		0.6	9	YUGOSLAVIA. ML 2.8 (TTG).
	21	17	24	43.8	36.400	N	26.569	E	149		4.9	1.0	116	DODECANESE ISLANDS
	21	18	20	59.8•	6.254	S	120.108	E	47	•	5.3	1.2	13	FLORES SEA
	21	18	30	48.9&	59.998	N	153.179	W	121				22	SOUTHERN ALASKA. <AGS-P>.
	21	18	31	18.5•	30.656	N	113.789	W	10	G	4.5	1.2	33	GULF OF CALIFORNIA
	21	19	12	29.6•	29.943	S	70.799	W	163	?		0.5	9	CENTRAL CHILE
	21	23	01	47.8%	40.504	N	27.114	E	10	G		1.3	5	TURKEY
	21	23	20	04.9	50.250	N	12.396	E	10	G		0.2	6	GERMANY
	21	23	20	12.6&	41.742	N	112.815	W	5				10	UTAH. <SLC-P>. ML 3.6 (SLC).
	21	23	24	49.7&	31.837	N	115.795	W	8	G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
	21	23	47	36.1•	1.147	N	120.862	E	33	N	4.3	1.3	12	MINAHASSA PENINSULA
	21	23	49	05.6?	43.48	N	2.11	W	10	G		0.3	5	SPAIN. ML 3.1 (LDG).
	22	00	16	22.4%	43.094	N	18.858	E	10	G		0.6	5	YUGOSLAVIA. MD 2.4 (TTG).
	22	01	07	53.9•	27.744	S	70.950	W	107	?		1.3	13	NEAR COAST OF NORTHERN CHILE
	22	01	24	48.2	21.321	S	67.191	W	189		4.9	1.3	49	CHILE-BOLIVIA BORDER REGION
	22	01	56	59.0?	46.29	N	12.63	E	10	G		1.2	5	NORTHERN ITALY. ML 2.3 (KBA). MD 2.2 (TRI).
	22	02	07	40.7	42.341	N	19.973	E	10	G		0.3	9	YUGOSLAVIA. ML 2.6 (TTG).
	22	02	21	50.3•	15.901	S	72.809	W	131	•	4.5	1.2	14	SOUTHERN PERU
	22	03	51	51.5	41.864	N	23.655	E	10	G		0.8	10	GREECE-BULGARIA BORDER REGION
	22	04	19	25.0?	16.94	N	62.16	W	10	G		0.2	5	LEEWARD ISLANDS
	22	08	28	07.6	2.886	S	141.612	E	42	•	5.1	1.3	36	NEAR N COAST OF PAPUA NEW GUINEA
	22	09	08	13.5•	43.179	N	25.898	E	10	G		1.4	6	BULGARIA
	22	09	11	32.1	38.972	N	21.998	E	10	G	4.3	1.3	53	GREECE. ML 3.9 (ATH).
	22	10	36	25.6	16.909	N	62.296	W	10	G		1.0	12	LEEWARD ISLANDS. ML 4.0 (FDF).
	22	11	17	41.8?	38.81	N	69.99	E	33	N	4.4	1.1	7	TAJIK SSR. Felt (III) at Chor-Sedy.
	22	12	07	26.7	42.363	N	19.946	E	10	G		0.5	7	YUGOSLAVIA. MD 2.5 (TTG).
	22	15	04	24.4•	38.807	N	26.362	E	10	G		1.2	11	AEGEAN SEA
	22	15	23	22.8%	42.737	N	18.472	E	10	G		1.1	5	YUGOSLAVIA. ML 2.4 (TTG).
	22	15	41	32.6?	31.17	S	71.91	W	139	?		0.9	11	NEAR COAST OF CENTRAL CHILE
	22	15	52	28.8?	42.70	N	86.74	E	33	N	3.9	1.9	5	NORTHERN XINJIANG, CHINA
	22	16	30	24.3?	44.40	N	147.38	E	33	N	4.7	1.1	17	KURIL ISLANDS
	22	17	16	51.6?	29.31	S	176.33	W	33	N	4.6	1.4	10	KERMADEC ISLANDS REGION
	22	17	40	16.7	21.919	S	179.511	W	605	•	4.9	1.0	33	FIJI ISLANDS REGION
	22	17	40	52.5•	36.579	N	70.474	E	186	?	4.4	0.4	11	HINDU KUSH REGION
	22	17	51	43.2•	29.200	S	176.814	W	33	N	4.5	1.2	24	KERMADEC ISLANDS REGION
	22	18	17	39.3•	51.437	N	175.169	W	33	N	4.3	1.1	10	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.9 (PMR).
	22	18	47	21.3•	2.092	S	78.297	W	33	N	4.8	1.3	15	ECUADOR
	22	20	03	10.8	38.989	N	31.538	E	6		4.5	0.9	25	TURKEY
	22	20	43	56.8	39.552	N	28.582	E	10	G		0.9	12	TURKEY
	22	20	44	09.0•	39.971	N	74.788	E	33	N	3.8	0.5	6	SOUTHERN XINJIANG, CHINA
	22	20	57	53.2•	24.429	S	70.450	W	82	?		0.1	6	NEAR COAST OF NORTHERN CHILE
	22	21	11	35.6	36.876	N	21.928	E	62		4.7	1.0	58	SOUTHERN GREECE
	22	21	30	58.0?	6.99	S	129.21	E	33	?		0.6	5	BANDA SEA
	22	22	28	15.7?	39.63	N	28.51	E	10	G		0.4	5	TURKEY
	22	22	44	58.4•	13.992	N	120.799	E	232		4.1	1.1	24	MINDORO, PHILIPPINE ISLANDS
	22	23	32	51.4•	4.066	S	152.045	E	18	•		0.7	6	NEW BRITAIN REGION
	23	01	20	02.8	36.336	N	71.234	E	94	?	4.5	1.3	21	AFGHANISTAN-USSR BORDER REGION
	23	02	03	31.8%	38.572	N	31.327	E	10	G		0.8	10	TURKEY
	23	02	35	59.4•	9.779	N	94.063	E	33	N	4.2	1.3	10	NICOBAR ISLANDS REGION
	23	03	16	01.7•	32.267	S	72.270	W	33	N		1.2	14	OFF COAST OF CENTRAL CHILE
	23	03	32	16.4?	1.17	S	126.99	E	33	N	4.5	0.6	7	MOLUCCA SEA
	23	03	58	33.9%	40.796	N	27.837	E	12			0.7	7	TURKEY
	23	04	00	19.0•	22.439	S	66.004	W	284	•		1.0	8	JUJUY PROVINCE, ARGENTINA
	23	04	27	43.9•	52.819	N	168.261	W	33	N	4.8	1.3	11	FOX ISLANDS, ALEUTIAN ISLANDS
	23	06	16	23.6	6.000	S	146.745	E	116		5.3	0.8	50	EAST PAPUA NEW GUINEA REGION
	23	06	27	35.8%	39.875	N	28.844	E	10	G		0.8	5	TURKEY
	23	08	40	58.7•	28.212	N	140.860	E	33	N	4.4	1.3	16	BONIN ISLANDS REGION
	23	12	28	42.3•	10.250	N	57.409	E	10	G	4.7	1.1	16	CARLSBERG RIDGE
	23	15	30	12.5&	60.307	N	141.069	W	16				19	SOUTHEASTERN ALASKA. <AGS-P>.
	23	16	18	59.2	31.319	S	68.768	W	113		4.8	0.9	47	SAN JUAN PROVINCE, ARGENTINA
	23	17	06	12.5	63.404	N	150.077	W	33	N		0.9	10	CENTRAL ALASKA
o	23	18	28	52.1	14.449	S	166.722	E	33	N	5.4 5.0	0.9	160	VANUATU ISLANDS
	23	19	18	50.9%	40.619	N	29.166	E	10	G		0.1	5	TURKEY
	23	20	55	26.9&	31.696	N	115.911	W	8	G			4	BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
	23	22	32	48.2	24.282	S	70.350	W	65	•	4.9	1.4	27	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta.
	23	22	41	23.2&	31.590	N	115.677	W	8	G			4	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
	23	22	52	38.3?	36.20	S	72.61	W	119	?		0.4	13	NEAR COAST OF CENTRAL CHILE
	23	23	17	57.6	42.322	N	20.096	E	10	G		0.9	10	YUGOSLAVIA. ML 2.6 (TTG).
	23	23	18	48.7	42.289	N	20.013	E	10	G		1.2	10	YUGOSLAVIA. ML 2.6 (TTG).
	23	23	43	15.8%	15.155	N	60.322	W	10	G		0.3	9	LEEWARD ISLANDS. ML 3.4 (FDF).
	23	23	53	50.0	26.381	N	141.124	E	113	•	4.4	1.0	18	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
o	24	00	19	41.7	16.882	S	174.318	E	11		5.7 5.7	1.2	162	FIJI ISLANDS REGION
	24	00	27	29.3	36.086	N	70.479	E	77	•	5.0	1.0	45	HINDU KUSH REGION. Felt (III) at Khorog and Dushanbe, USSR.
	24	00	39	35.5?	16.61	S	75.14	W	33	N		1.4	6	OFF COAST OF PERU
	24	01	26	58.2	12.754	S	114.609	E	32	D	5.2	1.3	54	NORTHWEST OF AUSTRALIA
	24	02	09	16.7?	34.06	S	71.80	W	33	N		0.6	11	NEAR COAST OF CENTRAL CHILE
	24	02	18	21.6	37.066	N	141.639	E	53		4.7	0.9	30	NEAR EAST COAST OF HONSHU, JAPAN
	24	02	20	10.5?	35.22	N	21.63	E	33	N	4.0 4.2	1.4	7	MEDITERRANEAN SEA. ML 4.1 (ATH).
o	24	02	31	26.7	1.729	N	127.354	E	118		5.4	1.1	81	HALMAHERA
	24	03	13	33.0•	43.081	N	111.224	W	5	G		1.4	6	EASTERN IDAHO. ML 2.8 (NEIS). Felt (III) at Alpine, Wyoming and (II) at Thayne, Wyoming.
	24	03	22	05.6	42.304	N	19.969	E	10	G		1.0	11	YUGOSLAVIA. ML 2.7 (TTG).
	24	03	32	24.6•	28.071	N	140.653	E	33	N	4.8	0.6	6	BONIN ISLANDS REGION
	24	03	56	45.3%	38.719	N	30.862	E	10	G		1.2	5	TURKEY
	24	04	19	03.9%	38.750	N	27.818	E	10	G		0.7	6	TURKEY
	24	05	04	33.8%	39.768	N	30.100	E	10	G		1.2	7	TURKEY
	24	05	28	35.7•	38.987	N	31.207	E	10	G		0.9	13	TURKEY

	24	06	57	27.0%	38	950	N	31.245	E	10	G		0.7	3	TURKEY
	24	07	44	13.87	66.22		N	150.81	W	10	G		1.3	5	ALASKA. ML 3.7 (PWR).
	24	08	27	10.4•	33.538		S	71.395	W	33	N		1.1	14	NEAR COAST OF CENTRAL CHILE
	24	08	53	13.2•	27.957		S	66.657	W	196	•		0.4	10	CATAMARCA PROVINCE, ARGENTINA
	24	10	36	17.9?	33.84		S	71.88	W	10	G		0.4	7	NEAR COAST OF CENTRAL CHILE
	24	11	21	31.1•	21.283		S	174.584	W	103	?	4.8	1.2	30	TONGA ISLANDS
	24	11	48	42.3?	16.82		S	67.16	E	10	G	4.9	1.4	13	MID-INDIAN RISE
	24	13	47	25.9	42.386		N	18.886	E	10	G		1.1	8	YUGOSLAVIA. ML 2.5 (TTG).
	24	14	16	00.3	31.698		S	67.949	W	33	N		1.0	6	SAN JUAN PROVINCE, ARGENTINA
	24	15	51	44.5•	3.527		S	135.163	E	33	N	4.8	0.7	8	WEST IRIAN REGION
	24	16	12	27.3	35.563		N	25.231	E	116	•		0.9	15	CRETE
	24	16	12	47.1	6.959		N	76.695	W	10	G		1.1	6	NORTHERN COLOMBIA
	24	16	17	06.5?	39.02		N	32.34	E	10	G		0.3	5	TURKEY
	24	16	24	57.2•	37.992		S	176.376	E	187	•	5.0	1.2	7	NORTH ISLAND, NEW ZEALAND
	24	16	46	11.5	29.857		S	67.888	W	149	•		1.0	21	LA RIOJA PROVINCE, ARGENTINA
	24	17	28	29.5%	39.018		N	31.517	E	10	G		1.4	6	TURKEY
	24	17	46	48.3•	24.222		N	125.247	E	33	N	4.5	0.4	5	SOUTHWESTERN RYUKYU ISLANDS
	24	18	07	48.2	7.989		N	76.530	W	10	G		1.3	10	NORTHERN COLOMBIA
	24	18	22	43.0•	39.168		N	26.947	E	10	G		1.4	10	TURKEY
	24	18	55	14.8	63.075		N	150.383	W	112		4.6	0.8	66	CENTRAL ALASKA. Felt (II) at Gold Creek.
o	24	19	07	41.1	46.456		N	27.448	W	10	G	4.7 5.2	0.9	92	NORTH ATLANTIC RIDGE
	24	19	21	33.9?	34.20		S	72.38	W	33	N		0.7	11	NEAR COAST OF CENTRAL CHILE
	24	19	39	38.6&	62.071		N	149.771	W	55				32	CENTRAL ALASKA. <AGS-P>.
o	24	19	41	46.3	8.934		S	156.795	E	10	G	5.7 6.0	1.2	127	SOLOMON ISLANDS. Ms 6.0 (PAS). Felt at Simbo.
	24	19	59	25.4&	59.497		N	152.718	W	70				39	SOUTHERN ALASKA. <AGS-P>.
	24	20	01	17.5	8.897		S	156.760	E	10	G	5.3	0.9	64	SOLOMON ISLANDS
	24	20	55	49.8	26.302		N	125.845	E	146		4.7	0.8	19	NORTHEAST OF TAIWAN
	24	21	12	07.2?	10.60		N	138.59	E	33	N	4.7	1.0	10	WEST CAROLINE ISLANDS
	24	23	49	08.0•	43.081		N	2.692	W	10	G		1.0	5	SPAIN. ML 3.1 (LDG).
	24	23	52	22.0•	34.692		N	97.479	W	5	G		0.9	6	OKLAHOMA. mbLg 2.3 (TUL).
	25	00	39	27.8•	17.571		S	71.852	W	92	•	4.9	1.1	13	NEAR COAST OF PERU
	25	01	29	49.5•	36.344		S	52.379	E	10	G	5.1	1.1	21	ATLANTIC-INDIAN RISE
	25	01	34	42.4	42.365		N	19.922	E	10	G		0.6	10	YUGOSLAVIA. ML 2.6 (TTG).
	25	01	49	28.9•	28.262		N	140.646	E	33	N	4.7	1.2	9	BONIN ISLANDS REGION
	25	02	02	46.2•	39.338		N	20.777	E	10	G		0.7	5	GREECE-ALBANIA BORDER REGION
	25	09	25	29.9?	14.38		N	92.79	W	102	?	4.3	1.4	7	NEAR COAST OF CHIAPAS, MEXICO
	25	10	39	32.2•	28.173		N	140.615	E	33	N	4.6	0.8	8	BONIN ISLANDS REGION
	25	10	56	20.1•	5.399		N	74.980	W	10	•		1.3	6	COLOMBIA. Felt at Mariquita.
	25	12	14	42.1•	31.305		S	68.455	W	116	?		1.4	7	SAN JUAN PROVINCE, ARGENTINA
	25	15	04	45.5	39.318		N	73.483	E	33	N	4.3	1.0	15	TAJIK-XINJIANG BORDER REGION
	25	17	00	42.5	42.270		N	19.973	E	10	G		1.3	9	YUGOSLAVIA. MD 2.6 (PVY).
	25	17	02	02.6?	66.33		N	149.93	W	10	G		1.2	6	ALASKA. ML 3.8 (PWR).
	25	17	10	39.4	44.008		N	4.750	E	15			0.7	25	FRANCE. ML 3.6 (LDG).
	25	17	32	58.0&	31.806		N	116.636	W	8	G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.1 (ECX).
	25	21	18	34.3&	59.949		N	153.509	W	141				22	SOUTHERN ALASKA. <AGS-P>.
o	25	21	50	04.4•	57.093		S	141.964	W	10	G	5.1 4.9	0.7	12	SOUTH PACIFIC CORDILLERA
	25	22	55	24.6•	29.899		S	71.553	W	33	N		0.9	9	NEAR COAST OF CENTRAL CHILE
	25	23	03	32.5?	48.43		N	8.72	E	10	G		1.3	5	GERMANY. ML 2.7 (LDG).
	26	00	39	08.2	1.807		S	134.195	E	33	N	5.3 4.8	1.0	57	WEST IRIAN REGION
	26	01	10	40.8	37.172		N	3.886	W	10	G		0.9	7	SPAIN. Felt (III) at Granada.
	26	01	27	35.5	42.333		N	20.026	E	10	G		0.3	9	YUGOSLAVIA. ML 2.6 (TTG).
	26	01	40	01.5•	34.008		S	70.151	W	33	N		1.0	11	CHILE-ARGENTINA BORDER REGION
	26	04	30	14.3•	12.073		N	86.721	W	33	N	4.7 4.2	1.4	41	NICARAGUA
	26	04	55	30.5	41.911		N	142.402	E	71		5.0	1.1	108	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa; (I JMA) at Muroran and Obihiro, Hokkaido. Also felt (II JMA) at Morioka, Honshu.
	26	04	57	04.7?	16.92		N	62.09	W	10	G		0.1	5	LEEWARD ISLANDS
	26	05	11	12.0?	41.98		N	1.67	E	10	G		1.3	10	SPAIN. ML 3.3 (LDG).
	26	05	45	04.1	39.004		N	31.484	E	33		4.5	1.0	23	TURKEY
	26	05	55	27.1	31.621		S	69.291	W	122		4.5	0.7	22	SAN JUAN PROVINCE, ARGENTINA
	26	06	32	01.9	29.850		S	67.082	W	60	?		0.8	15	LA RIOJA PROVINCE, ARGENTINA
	26	06	49	37.2	39.078		N	25.773	E	10	G		0.9	12	AEGEAN SEA. ML 3.4 (ATH).
	26	07	37	06.1•	35.423		N	23.467	E	92	•	4.5	1.3	25	CRETE
	26	08	01	55.5	28.325		N	140.550	E	38	•	4.8	1.0	61	BONIN ISLANDS REGION
	26	08	26	18.8?	29.81		S	69.45	W	10	G		1.2	7	CHILE-ARGENTINA BORDER REGION
	26	09	55	16.0%	39.662		N	28.538	E	10	G		0.4	6	TURKEY
o	26	11	05	03.6	1.888		S	134.207	E	33	N	5.4 4.9	1.3	51	WEST IRIAN REGION
	26	11	41	14.8	9.653		N	61.404	W	54		4.5 4.6	1.2	50	NEAR COAST OF VENEZUELA
	26	11	56	37.0?	53.35		N	159.50	E	33	N	4.6	0.8	7	NEAR EAST COAST OF KAMCHATKA
	26	12	47	55.4•	20.482		N	73.723	E	33	N	4.3	0.4	5	INDIA
	26	13	07	20.5•	46.063		N	6.987	E	10	G		1.3	11	SWITZERLAND. ML 2.9 (LDG).
	26	15	05	49.3	44.627		N	114.192	W	5	G		0.4	16	WESTERN IDAHO. ML 3.7 (NEIS).
	26	15	32	47.0	42.282		N	19.972	E	10	G		0.7	10	YUGOSLAVIA. MD 2.8 (PVY).
	26	15	43	41.1•	24.264		S	179.329	W	585	•	4.8	0.9	21	SOUTH OF FIJI ISLANDS
	26	15	46	45.7•	40.014		N	21.398	E	10	G		0.8	6	GREECE
	26	18	27	48.9	36.767		N	120.735	W	5	G		0.8	13	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	26	19	15	34.4•	36.909		N	26.680	E	10	G		1.4	6	DODECANESE ISLANDS
	26	19	22	49.6•	20.379		S	178.527	W	581	•	4.9	0.7	14	FIJI ISLANDS REGION
	26	19	57	18.6?	16.74		S	65.05	W	33	N		0.9	5	BOLIVIA
	26	20	34	01.8?	51.61		N	16.30	E	10	C		0.5	11	POLAND. ML 3.5 (KBA), 3.5 (VKA).
	26	22	49	59.0	24.815		N	109.190	W	33	N	4.4	1.1	22	CENTRAL MEXICO
	27	00	30	46.6•	15.077		S	76.201	W	33	N	4.8	1.5	13	OFF COAST OF PERU
	27	01	43	57.3•	36.485		N	140.281	E	30	•		0.5	6	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
	27	01	46	32.5	22.113		N	143.745	E	158	?	4.7	0.8	31	VOLCANO ISLANDS REGION
	27	02	06	20.9•	40.116		N	77.306	E	33	N	4.0	1.6	6	KIRGHIZ-XINJIANG BORDER REGION
	27	02	27	07.9•	14.724		S	75.954	W	33	N		0.7	6	NEAR COAST OF PERU
	27	03	24	42.5•	30.527		S	72.117	W	33	N		0.5	14	OFF COAST OF CENTRAL CHILE
	27	03	29	50.2	3.155		S	129.887	E	33	N	4.6 4.4	1.4	27	CERAM
	27	03	31	42.1?	16.93		N	62.14	W	10	G		0.5	5	LEEWARD ISLANDS
	27	03	43	26.3	17.005		N	62.281	W	10	G		0.2	6	LEEWARD ISLANDS. ML 3.4 (FDF).
	27	04	09	54.3•	28.159		N	140.632	E	33	N	4.7	0.9	6	BONIN ISLANDS REGION
	27	06	00	18.9&	62.401		N	150.635	W	73				26	CENTRAL ALASKA. <AGS-P>.
o	27	06	23	13.7	24.022		N	122.249	E	45		5.8 5.5	0.9	218	TAIWAN REGION. Felt on northeastern Taiwan. Felt (I

	27	07 31 42.0S	46.236 N	1.394 E	10 G						JMA) on Ishigaki-shima, Ryukyu Islands.
	27	07 36 56.0	23.993 N	122.489 E	31	5.1 4.8		0.7	9	FRANCE. ML 2.6 (LDG).	
	27	08 05 26.7?	1.34 S	127.02 E	33 N	4.7		1.0	83	TAIWAN REGION. Felt on northeastern Taiwan.	
	27	08 46 39.6?	52.31 N	161.71 E	33 N	4.4		1.5	14	HALMAHERA	
	27	09 40 47.2?	40.86 N	21.99 E	10 G			1.0	6	OFF EAST COAST OF KAMCHATKA	
	27	09 48 37.5+	43.785 N	6.393 E	10 G			1.1	6	GREECE	
	27	09 58 52.1	28.138 S	71.172 W	77 +	4.7		0.7	5	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).	
	27	11 05 32.1S	15.776 N	60.785 W	10 G			1.2	28	NEAR COAST OF CENTRAL CHILE	
	27	11 10 55.4	46.443 N	11.546 E	13			0.2	8	LEEWARD ISLANDS. ML 2.9 (FDF).	
								1.0	29	NORTHERN ITALY. ML 3.3 (KBA), 3.1 (TRI), 3.3 (LDG). Felt (IV) at Belzano.	
	27	12 07 06.4	47.641 N	8.826 E	33 N			1.2	74	SWITZERLAND. ML 4.5 (GRF), 4.5 (LDG), 4.3 (BNS). MD 4.5 (KBA). Felt strongly in northeastern Switzerland. Felt (IV) at Bregenz, Austria.	
	27	15 13 17.1+	6.691 S	129.829 E	147 ?	4.7		1.4	21	BANDA SEA	
	27	15 27 16.6+	38.117 N	72.630 E	33 N	3.9		0.9	5	TAJIK SSR	
	27	16 30 39.4?	3.84 S	139.24 E	33 N	3.1		1.3	6	WEST IRIAN	
	27	17 56 06.3+	28.424 N	94.033 E	33 N			0.4	6	BURMA	
	27	21 06 36.4+	29.850 N	81.125 E	33 N			1.0	6	NEPAL	
	27	21 07 19.4+	10.308 S	119.290 E	33 N	2.9		1.0	6	SUMBA ISLAND REGION	
	27	23 11 10.3?	15.16 S	74.70 W	83 ?			0.9	7	NEAR COAST OF PERU	
	27	23 26 19.9?	7.02 S	128.55 E	317 ?	4.8		1.0	10	BANDA SEA	
	28	01 03 38.2+	56.704 S	26.278 W	33 N	5.5		1.0	17	SOUTH SANDWICH ISLANDS REGION	
	28	01 12 56.6	9.622 N	61.494 W	46	4.5		1.2	48	NEAR COAST OF VENEZUELA. Felt on southern Trinidad.	
	28	04 08 01.3S	40.434 N	28.491 E	10 G			0.1	5	TURKEY	
	28	04 05 54.2+	10.347 S	119.252 E	33 N	3.8		1.0	5	SUMBA ISLAND REGION	
	28	04 36 27.5?	18.26 S	173.91 W	33 N	4.8		1.4	9	TONGA ISLANDS	
	28	06 33 49.2&	60.267 N	141.036 W	13				14	SOUTHEASTERN ALASKA. <AGS-P>.	
	28	10 29 57.7?	41.06 N	23.57 E	10 G			1.5	6	GREECE-BULGARIA BORDER REGION	
	28	10 31 12.8	22.058 N	143.867 E	113 +	4.9		1.0	76	VOLCANO ISLANDS REGION	
	28	10 31 35.8&	40.598 N	124.728 W	14				7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).	
	28	12 25 31.9S	39.017 N	27.750 E	10 G			1.4	5	TURKEY	
	28	12 54 19.4	43.289 N	17.487 E	10 G			0.9	6	YUGOSLAVIA	
	28	13 04 07.3S	42.352 N	18.939 E	10 G			0.2	6	YUGOSLAVIA. MD 2.3 (TTG).	
	28	13 32 41.9	50.131 N	19.112 E	10 G			0.4	6	POLAND. ML 3.5 (KBA), 3.2 (VKA).	
	28	13 38 00.2+	13.759 N	93.147 E	33 N	4.2		1.0	7	ANDAMAN ISLANDS REGION	
	28	15 03 48.1+	45.367 N	24.659 E	10 G			1.3	6	ROMANIA	
	28	15 08 11.3+	14.474 S	168.353 E	33 N			0.8	6	VANUATU ISLANDS	
	28	15 12 24.1+	57.474 N	156.696 W	33 N	4.1		1.1	13	ALASKA PENINSULA. ML 4.1 (PMR). Felt at King Salmon.	
	28	15 14 05.4&	31.858 N	115.787 W	8 G				4	BAJA CALIFORNIA. <ECX-P>. MD 2.8 (ECX).	
	28	15 15 28.9?	57.76 N	156.41 W	33 N			1.9	5	ALASKA PENINSULA. ML 3.9 (PMR).	
	28	15 24 40.0&	31.879 N	115.761 W	8 G				4	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).	
	28	15 28 41.8	31.872 N	115.785 W	5 G			0.4	17	BAJA CALIFORNIA. ML 3.7 (PAS).	
	28	15 30 09.3&	31.872 N	115.775 W	8 G				4	BAJA CALIFORNIA. <ECX-P>. MD 2.8 (ECX).	
	28	15 33 57.3?	19.58 S	172.89 W	33 N	5.0 4.7		1.4	17	TONGA ISLANDS REGION	
	28	16 05 10.4+	34.068 N	135.421 E	79 ?			0.5	8	NEAR S. COAST OF SOUTHERN HONSHU	
	28	17 01 45.3	60.345 N	152.966 W	125	4.7		0.9	62	SOUTHERN ALASKA. Felt (III) at Homer.	
	28	17 01 52.0+	51.395 N	178.191 W	33 N	4.6		1.4	14	FOX ISLANDS, ALEUTIAN ISLANDS	
	28	17 07 29.3	48.627 N	126.674 E	33 N	4.8		1.1	44	NORTHEASTERN CHINA	
	28	18 17 54.6	8.764 S	123.224 E	33 N	5.1		1.3	52	FLORES ISLAND REGION	
	28	18 34 42.6+	7.014 N	73.284 W	146 ?			1.0	8	NORTHERN COLOMBIA	
	28	19 19 24.0+	31.463 S	68.598 W	115 +			1.0	14	SAN JUAN PROVINCE, ARGENTINA	
	28	19 33 06.8?	9.95 S	123.58 E	33 N	3.6		0.9	7	TIMOR	
	28	20 51 21.6+	29.188 N	81.989 E	63 +	4.6		1.0	18	NEPAL	
	28	21 25 20.0+	23.097 S	66.647 W	223	4.4		1.2	16	JUJUY PROVINCE, ARGENTINA	
	28	22 38 37.5&	61.083 N	152.173 W	109				36	SOUTHERN ALASKA. <AGS-P>.	
	28	22 39 01.9+	43.565 N	16.589 E	10 G			0.7	9	YUGOSLAVIA. MD 3.2 (TTG), ML 2.9 (KBA).	
o	28	22 47 33.9	23.573 N	142.266 E	33 N	5.1 4.1		0.7	57	VOLCANO ISLANDS REGION	
	28	23 51 04.6?	52.01 N	7.05 E	10 G			0.9	6	GERMANY. ML 2.3 (BNS).	

A D D I T I O N A L S O U R C E P A R A M E T E R S

02 01 44 05.40 13.626S 166.693E 31km
5.8mb (34 obs.) 5.6Msz (5 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=338 Dip=53 Slip= 110
NP2: 127 41 66
Principal Axes:
T Plg=73 Azm=304
P 6 54
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 41 No. of sta: 9
Principal Axes:
Scale 10**25 d-cm
T Val= 1.09 Plg=69 Azm=152
N 0.04 19 3
P -1.12 10 269
Best Double Couple:Mo=1.1*10**25
NP1:Strike=338 Dip=38 Slip= 59
NP2: 195 58 112
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 35C
Centroid Location:
Origin Time 01:44:11.5 0.2
Lat 13.74S 0.02 Lon 166.58E 0.02
Dep 57.6 1.2 Half-duration 3.4
Principal Axes:
Scale 10**25 D-CM
T Val= 0.78 Plg=84 Azm=256
N 0.29 2 2
P -1.06 5 92
Best Double Couple:Mo= .9*10**25
NP1:Strike=184 Dip=40 Slip= 92
NP2: 1 50 88

02 05 29 38.68 44.988N 28.159W 10km
5.0mb (37 obs.) 5.2Msz (6 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 05:29:42.1 0.5
Lat 44.82N 0.10 Lon 28.35W 0.12
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.27 Plg=17 Azm=108
N -0.88 18 4
P -1.19 65 231
Best Double Couple:Mo=1.2*10**24
NP1:Strike=215 Dip=32 Slip= -55
NP2: 355 64 -110

03 20 47 35.34 27.791N 139.552E 508km
5.8mb (97 obs.)
BONIN ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=135 Dip=82 Slip= 65
NP2: 28 26 162
Principal Axes:
T Plg=47 Azm= 19
P 32 246
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a sm ! strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 517 No. of sta: 12
Principal Axes:
Scale 10**25 d-cm
T Val= 5.72 Plg=37 Azm= 23
N 0.87 38 138
P -5.79 39 256
Best Double Couple:Mo=5.8*10**25
NP1:Strike= 51 Dip=38 Slip=-178
NP2: 319 89 -68
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 48C M.W.: 18S, 21C
Centroid Location:
Origin Time 20:47:48.1 0.1

Lat 27.84N 0.01 Lon 139.34E 0.03
Dep 516.0 1.1 Half-duration 6.2
Principal Axes:
Scale 10**25 D-CM
T Val= 4.96 Plg=28 Azm= 1
N 0.68 46 117
P -5.56 38 247
Best Double Couple:Mo=5.3*10**25
NP1:Strike= 39 Dip=49 Slip=-178
NP2: 302 84 -56

04 13 38 59.44 19.617S 175.397W 213km
5.3mb (25 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 11C
Centroid Location:
Origin Time 13:31: 4.3 2.0
Lat 19.92S 0.28 Lon 175.39W 0.17
Dep 268.1 7.9 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 4.78 Plg=26 Azm=146
N 0.99 18 46
P -5.78 57 286
Best Double Couple:Mo=5.3*10**23
NP1:Strike=271 Dip=25 Slip= -42
NP2: 41 74 -109

07 03 54 58.59 45.472N 27.928W 10km
4.9mb (33 obs.) 5.3Msz (6 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 17C
Centroid Location:
Origin Time 03:55: 2.6 0.5
Lat 45.51N 0.10 Lon 27.63W 0.12
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 9.11 Plg= 5 Azm=279
N -1.21 42 13
P -7.90 47 183
Best Double Couple:Mo=8.5*10**23
NP1:Strike=333 Dip=55 Slip=-146
NP2: 221 63 -41

07 23 46 31.73 13.322S 166.234E 33km
5.4mb (12 obs.) 5.0Msz (1 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 23:46:33.6 0.3
Lat 13.66S 0.04 Lon 166.37E 0.03
Dep 41.6 2.4 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.96 Plg=76 Azm=348
N 0.47 14 174
P -3.43 1 84
Best Double Couple:Mo=3.2*10**24
NP1:Strike=168 Dip=45 Slip= 71
NP2: 7 48 108

08 00 28 54.55 23.903N 92.987E 39km
5.2mb (54 obs.) 4.9Msz (5 obs.)
INDIA-BANGLADESH BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 00:28:59.0 0.6
Lat 23.79N 0.09 Lon 93.09E 0.09
Dep 33.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.74 Plg=10 Azm= 90
N -0.57 59 344
P -1.17 29 186
Best Double Couple:Mo=1.5*10**24
NP1:Strike=224 Dip=62 Slip= -15
NP2: 321 77 -152

08 00 36 03.26 36.324N 33.938W 10km
4.8mb (11 obs.)
AZORES ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 12C
Centroid Location:
Origin Time 00:36:11.7 1.6
Lat 36.68N 0.38 Lon 34.83W 0.17
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 4.37 Plg= 8 Azm=140
N -0.59 8 50
P -3.78 80 180
Best Double Couple:Mo=4.1*10**23
NP1:Strike=230 Dip=45 Slip= -90
NP2: 50 45 -90

09 23 32 11.99 36.118S 71.304W 86km
5.3mb (22 obs.)
CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Location:
Origin Time 23:32:18.8 0.7
Lat 36.24S 0.07 Lon 71.11W 0.15
Dep 125.4 4.3 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 8.30 Plg=59 Azm=101
N 1.86 1 192
P -10.16 31 282
Best Double Couple:Mo=9.2*10**23
NP1:Strike= 14 Dip=14 Slip= 92
NP2: 192 76 89

10 09 51 12.63 21.585S 170.484E 101km
5.8mb (35 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 09:51:17.9 0.5
Lat 21.99S 0.06 Lon 170.22E 0.04
Dep 110.1 2.4 Half-duration 2.0
Principal Axes:
Scale 10**23 D-CM
T Val= 19.60 Plg=49 Azm=307
N -5.48 41 127
P -14.12 8 37
Best Double Couple:Mo=1.7*10**24
NP1:Strike= 94 Dip=58 Slip= 39
NP2: 340 58 141

10 18 33 47.22 39.837N 143.274E 36km
5.5mb (60 obs.) 5.9Msz (14 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 35C
Centroid Location:
Origin Time 18:33:49.5 0.2
Lat 39.29N 0.03 Lon 143.73E 0.04
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 7.22 Plg=58 Azm=306
N 0.44 6 206
P -7.66 31 112
Best Double Couple:Mo=7.4*10**24
NP1:Strike=181 Dip=15 Slip= 65
NP2: 27 77 96

11 01 15 57.25 41.634N 125.353W 10km
5.0mb (18 obs.) 5.0Msz (1 obs.)
OFF COAST OF NORTHERN CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 01:16: 3.5 1.8
Lat 41.89N 0.15 Lon 125.68W 0.13
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.32 Plg=21 Azm=272
N -0.44 56 37
P -0.88 26 171
Best Double Couple:Mo=1.1*10**24
NP1:Strike=312 Dip=56 Slip=-177
NP2: 221 87 -34

12 02 59 30.42 36.384N 141.128E 30km
6.1mb (80 obs.) 5.9Msz (20 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 35 Dip=57 Slip= 98
NP2: 215 33 90
Principal Axes:
T Plg=78 Azm=305
P 12 125
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 32 No. of sta: 19
Principal Axes:
Scale 10**25 d-cm
T Val= 2.41 Plg=62 Azm=298
N -0.01 3 201
P -2.40 28 110
Best Double Couple:Mo=2.4*10**25
NP1:Strike=190 Dip=17 Slip= 78
NP2: 22 73 94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 44C
Centroid Location:
Origin Time 02:59:34.8 0.1
Lat 36.12N 0.02 Lon 141.32E 0.02
Dep 35.8 1.3 Half-duration 4.8
Principal Axes:
Scale 10**25 D-CM
T Val= 2.35 Plg=70 Azm=276
N 0.26 4 17
P -2.60 19 108
Best Double Couple:Mo=2.5*10**25
NP1:Strike=285 Dip=26 Slip= 99
NP2: 15 64 86

12 09 01 09.88 6.569S 147.298E 39km
5.8mb (39 obs.) 5.7Msz (17 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 38C
Centroid Location:
Origin Time 09:01:15.3 0.2
Lat 6.58S 0.02 Lon 147.39E 0.03
Dep 22.7 2.1 Half-duration 3.3
Principal Axes:
Scale 10**24 D-CM
T Val= 6.83 Plg=59 Azm= 37
N 1.12 21 268
P -7.95 22 169
Best Double Couple:Mo=7.4*10**24
NP1:Strike=226 Dip=29 Slip= 44
NP2: 96 78 112

12 11 27 45.48 6.536S 147.433E 34km
5.6mb (31 obs.) 5.5Msz (9 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Location:
Origin Time 11:27:50.7 0.3
Lat 6.79S 0.03 Lon 147.23E 0.04
Dep 22.8 3.5 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.44 Plg=57 Azm=333
N 0.13 4 68
P -4.57 33 161
Best Double Couple:Mo=4.5*10**24
NP1:Strike=265 Dip=13 Slip= 107
NP2: 68 78 86

12 23 41 38.69 17.019N 62.329W 22km
5.2mb (47 obs.) 5.3Msz (3 obs.)
LEEWARD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 23:41:47.3 0.5
Lat 17.30N 0.05 Lon 62.41W 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.15 Plg= 2 Azm=169
N 1.36 77 269
P -3.52 13 78
Best Double Couple:Mo=2.8*10**24
NP1:Strike=214 Dip=79 Slip=-173
NP2: 123 83 -11

13 00 24 45.10 13.384S 166.699E 10km
5.7mb (20 obs.) 5.3Msz (3 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=340 Dip=38 Slip= 90
NP2: 160 52 90
Principal Axes:
T Plg=83 Azm= 70
P 7 250
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 5
Principal Axes:
Scale 10**24 d-cm
T Val= 7.88 Plg=66 Azm=144
N 1.25 24 333
P -9.14 3 242
Best Double Couple:Mo=8.5*10**24
NP1:Strike=309 Dip=47 Slip= 56
NP2: 173 53 120
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 00:24:51.6 0.3
Lat 13.57S 0.04 Lon 166.35E 0.03
Dep 45.4 2.2 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 4.51 Plg=78 Azm=341
N 0.91 12 178
P -5.42 3 87
Best Double Couple:Mo=5.0*10**24
NP1:Strike=164 Dip=43 Slip= 72
NP2: 8 50 106

13 19 08 20.56 14.227S 167.315E 206km
5.7mb (45 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=350 Dip=60 Slip= 90
NP2: 170 30 90
Principal Axes:
T Plg=75 Azm=260
P 15 80
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 186 No. of sta: 3
Principal Axes:
Scale 10**24 d-cm
T Val= 4.03 Plg=85 Azm=257
N 0.00 0 166
P -4.03 5 76
Best Double Couple:Mo=4.0*10**24
NP1:Strike=166 Dip=40 Slip= 90
NP2: 346 50 90
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:
Origin Time 19:08:26.0 0.3
Lat 14.39S 0.03 Lon 166.95E 0.03
Dep 206.6 1.3 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 3.73 Plg=78 Azm=238
N 0.15 2 338
P -3.88 12 68
Best Double Couple:Mo=3.8*10**24
NP1:Strike=161 Dip=34 Slip= 94
NP2: 336 57 88

14 04 00 54.13 13.464S 167.097E 216km
5.1mb (16 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 04:00:55.4 1.4
Lat 13.91S 0.12 Lon 166.99E 0.11
Dep 184.5 3.1 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 5.41 Plg=78 Azm=357
N 2.35 12 189
P -7.76 2 99
Best Double Couple:Mo=6.6*10**23
NP1:Strike=178 Dip=44 Slip= 73
NP2: 20 49 106

14 18 01 17.85 20.859S 178.945W 610km
5.4mb (45 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 18:01:25.8 0.5
Lat 20.85S 0.06 Lon 179.14W 0.05
Dep 637.4 3.2 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.48 Plg=34 Azm=118
N -0.52 20 221
P -1.96 50 336
Best Double Couple:Mo=2.2*10**24
NP1:Strike=156 Dip=22 Slip=-156
NP2: 44 82 -70

15 19 56 35.90 4.412N 82.704E 10km
5.2mb (35 obs.) 4.6Msz (3 obs.)
CARLSBERG RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 26C
Centroid Location:
Origin Time 19:56:41.0 1.1
Lat 4.64N 0.14 Lon 82.67E 0.05
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 11.33 Plg= 5 Azm=220
N -0.55 17 312
P -10.78 72 116
Best Double Couple:Mo=1.1*10**24
NP1:Strike=292 Dip=43 Slip=-116
NP2: 146 52 -68

15 21 37 48.61 14.774N 91.414W 136km
5.3mb (77 obs.)
GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 21:37:48.8 0.3
Lat 14.37N 0.04 Lon 91.75W 0.03
Dep 187.4 1.9 Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 7.16 Plg=43 Azm= 57
N -0.78 34 289
P -6.45 29 178
Best Double Couple:Mo=6.8*10**24
NP1:Strike=216 Dip=35 Slip= 14
NP2: 115 82 124

16 09 09 25.54 12.348S 167.189E 285km
5.0mb (26 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 09:09:30.6 1.2
Lat 13.04S 0.16 Lon 166.98E 0.14
Dep 255.5 5.2 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 5.97 Plg=62 Azm=132
N 0.92 26 339
P -6.90 11 243
Best Double Couple:Mo=6.4*10**23
NP1:Strike=305 Dip=48 Slip= 48
NP2: 174 61 128

19 10 54 46.21 48.579N 153.415E 115km
5.3mb (70 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 10:54:51.6 0.7
Lat 48.43N 0.06 Lon 153.17E 0.12
Dep 119.2 3.9 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 8.03 Plg=38 Azm=114
N -1.06 19 220
P -6.97 45 331
Best Double Couple:Mo=7.5*10**23
NP1:Strike=142 Dip=20 Slip=-109
NP2: 41 86 -71

19 11 40 27.55 18.945N 121.304E 77km
5.6mb (74 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 34C
Centroid Location:
Origin Time 11:40:26.7 0.2
Lat 19.08N 0.02 Lon 121.29E 0.03
Dep 36.3 1.6 Half-duration 3.8
Principal Axes:
Scale 10**25 D-CM
T Val= 1.33 Plg=69 Azm=113
N 0.00 4 213
P -1.34 20 305
Best Double Couple:Mo=1.3*10**25
NP1:Strike= 41 Dip=25 Slip= 99
NP2: 212 65 86

19 17 34 24.77 25.136N 91.184E 18km
5.3mb (52 obs.) 4.9Msz (3 obs.)
INDIA-BANGLADESH BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 17:34:30.3 0.4
Lat 24.89N 0.06 Lon 91.18E 0.08
Dep 18.0 FIX Ha -duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 11.09 Plg=27 Azm=302
N -0.59 58 70
P -10.50 27 197
Best Double Couple:Mo=1.1*10**24
NP1:Strike=340 Dip=58 Slip= 180
NP2: 70 90 40

20 09 16 02.55 21.122S 70.116W 33km
5.7mb (36 obs.) 5.0Msz (11 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 40C
Centroid Location:
Origin Time 09:16:12.9 0.2
Lat 20.96S 0.03 Lon 71.08W 0.04
Dep 92.0 2.0 Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 7.24 Plg=15 Azm= 88
N -2.66 12 174
P -4.58 71 301
Best Double Couple:Mo=5.9*10**24
NP1:Strike=154 Dip=32 Slip=-113
NP2: 8 61 -77

20 12 16 41.74 22.868S 179.568W 602km
5.7mb (52 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 12:16:47.5 0.4
Lat 22.81S 0.04 Lon 179.68W 0.04
Dep 607.0 2.0 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.88 Plg=45 Azm=189
N 0.44 12 212
P -5.03 42 313
Best Double Couple:Mo=4.8*10**24
NP1:Strike=114 Dip=12 Slip= 172
NP2: 212 88 78

20 16 06 34.91 23.495S 179.788W 548km
5.2mb (24 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 16:06:43.1 1.6
Lat 23.18S 0.25 Lon 179.86E 0.18

Dep 552.1 9.4 Half-duration 1.4
Principal Axes:
Scale 16**23 D-CM
T Val= 5.02 Plg=19 Azm= 62
N 0.48 27 167
P -6.82 56 301
Best Double Couple:Mo=5.8*10**23
NP1:Strike=116 Dip=39 Slip=-142
NP2: 353 69 -61

21 05 29 55.95 43.321N 25.968E 21km
4.8mb (25 obs.) 5.5Msz (1 obs.)
BULGARIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 28C
Centroid Location:
Origin Time 05:29:56.6 0.6
Lat 42.92N 0.08 Lon 25.97E 0.10
Dep 25.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.52 Plg= 9 Azm=283
N -0.07 65 314
P -1.45 23 189
Best Double Couple:Mo=1.5*10**24
NP1:Strike=248 Dip=67 Slip=-170
NP2: 154 81 -24

23 18 28 52.16 14.449S 166.722E 33km
5.4mb (33 obs.) 5.0Msz (7 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 30C
Centroid Location:
Origin Time 18:28:56.7 0.5
Lat 14.545 0.04 Lon 166.48E 0.04
Dep 48.9 2.6 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.54 Plg=78 Azm= 3
N 0.58 12 189
P -2.04 1 98
Best Double Couple:Mo=1.8*10**24
NP1:Strike=176 Dip=45 Slip= 73
NP2: 28 47 107

24 00 19 41.70 16.882S 174.318E 11km
5.7mb (42 obs.) 5.7Msz (5 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 34C
Centroid Location:
Origin Time 00:19:49.7 0.4
Lat 16.685 0.03 Lon 174.35E 0.03
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 9.59 Plg=19 Azm=139
N -1.20 42 31
P -8.39 42 248
Best Double Couple:Mo=9.0*10**24
NP1:Strike=274 Dip=45 Slip=-20
NP2: 18 76 -134

24 02 31 26.76 1.729N 127.354E 118km
5.4mb (29 obs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 18C
Centroid Location:
Origin Time 02:31:30.4 0.9
Lat 1.94N 0.08 Lon 127.30E 0.14
Dep 186.9 9.3 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 9.59 Plg=51 Azm=138
N 2.24 9 36
P -11.83 37 299
Best Double Couple:Mo=1.1*10**24
NP1:Strike=344 Dip=12 Slip= 37
NP2: 217 83 99

24 19 07 41.15 46.456N 27.448W 10km
4.7mb (46 obs.) 5.2Msz (4 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 115, 21C
Centroid Location:
Origin Time 19:07:45.0 0.6
Lat 46.29N FIX Lon 27.47W FIX
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**24 D-CM
T Val= 1.85 Plg= 6 Azm=271
N -0.34 28 4
P -0.78 61 178
Best Double Couple:Mo= .9*10**24
NP1:Strike=333 Dip=46 Slip=-131
NP2: 204 57 -56

24 19 41 46.36 8.934S 156.795E 10km
5.7mb (36 obs.) 6.0Msz (18 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=308 Dip=81 Slip=-156
NP2: 214 66 -10
Principal Axes:
T Plg=10 Azm= 79
P 23 173
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 24 No. of sta: 5
Principal Axes:
Scale 10**25 d-cm
T Val= 1.97 Plg= 6 Azm=127
N -0.81 80 360
P -1.97 8 217
Best Double Couple:Mo=2.8*10**25
NP1:Strike=262 Dip=80 Slip= -1
NP2: 352 89 -170
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 185, 43C
Centroid Location:
Origin Time 10:41:50.5 0.3
Lat 9.17S 0.03 Lon 157.08E 0.02
Dep 18.9 2.7 Half-duration 4.7
Principal Axes:
Scale 10**25 D-CM
T Val= 2.12 Plg= 3 Azm=115
N 0.13 84 354
P -2.25 5 206
Best Double Couple:Mo=2.2*10**25
NP1:Strike=251 Dip=84 Slip= -1
NP2: 341 89 -174

25 21 50 04.45 57.893S 141.964W 10km
5.1mb (7 obs.) 4.9Msz (2 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 32C
Centroid Location:
Origin Time 21:50:13.3 0.3
Lat 56.97S 0.04 Lon 141.79W 0.05
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.13 Plg= 0 Azm=161
N 0.11 90 180
P -2.23 0 71
Best Double Couple:Mo=2.2*10**24
NP1:Strike=206 Dip=90 Slip=-180
NP2: 296 90 0

26 11 05 03.66 1.888S 134.287E 33km
5.4mb (19 obs.) 4.9Msz (2 obs.)
WEST IRIAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 25C
Centroid Location:
Origin Time 11:05: 0.7 1.1
Lat 1.84S 0.11 Lon 134.58E 0.11
Dep 17.8 12.8 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.84 Plg= 2 Azm=107
N 0.53 88 287
P -7.57 0 17
Best Double Couple:Mo=7.3*10**23
NP1:Strike=152 Dip=89 Slip=-179
NP2: 242 89 1

27 06 23 13.74 24.822N 122.249E 45km
5.8mb (67 obs.) 5.5Msz (5 obs.)
TAIWAN REGION
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 10
Principal Axes:
Scale 10**24 d-cm
T Val= 4.63 Plg=68 Azm= 13
N 0.11 5 270
P -4.73 21 178
Best Double Couple:Mo=4.7*10**24
NP1:Strike=259 Dip=24 Slip= 78
NP2: 93 66 95
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 30C
Centroid Location:
Origin Time 06:23:14.3 0.2
Lat 23.74N 0.03 Lon 122.21E 0.04
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 5.03 Plg=57 Azm=326
N -0.51 9 71
P -5.42 31 167
Best Double Couple:Mo=5.7*10**24
NP1:Strike=285 Dip=16 Slip= 125
NP2: 69 77 80

28 22 47 33.90 23.573N 142.266E 33km
5.1mb (26 obs.) 4.1Msz (1 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 18C
Centroid Location:
Origin Time 22:47:43.5 1.0
Lat 23.93N 0.10 Lon 142.32E 0.13
Dep 87.7 8.5 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.86 Plg=23 Azm=148
N -0.97 59 285
P -4.89 19 50
Best Double Couple:Mo=5.4*10**23
NP1:Strike=188 Dip=80 Slip= 177
NP2: 280 87 30

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

Correction to Monthly Listing for July, 1985

Delete MB magnitude for Southern California event on July 16 at 17:57:50.9 UTC.

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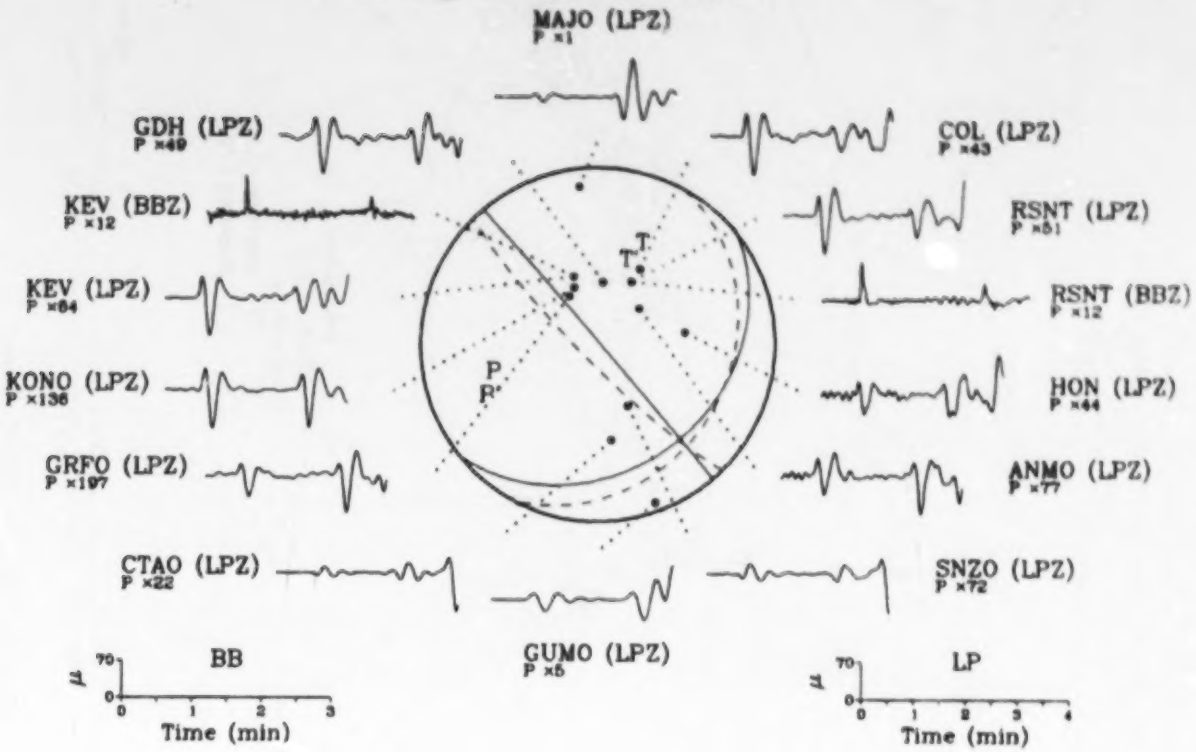
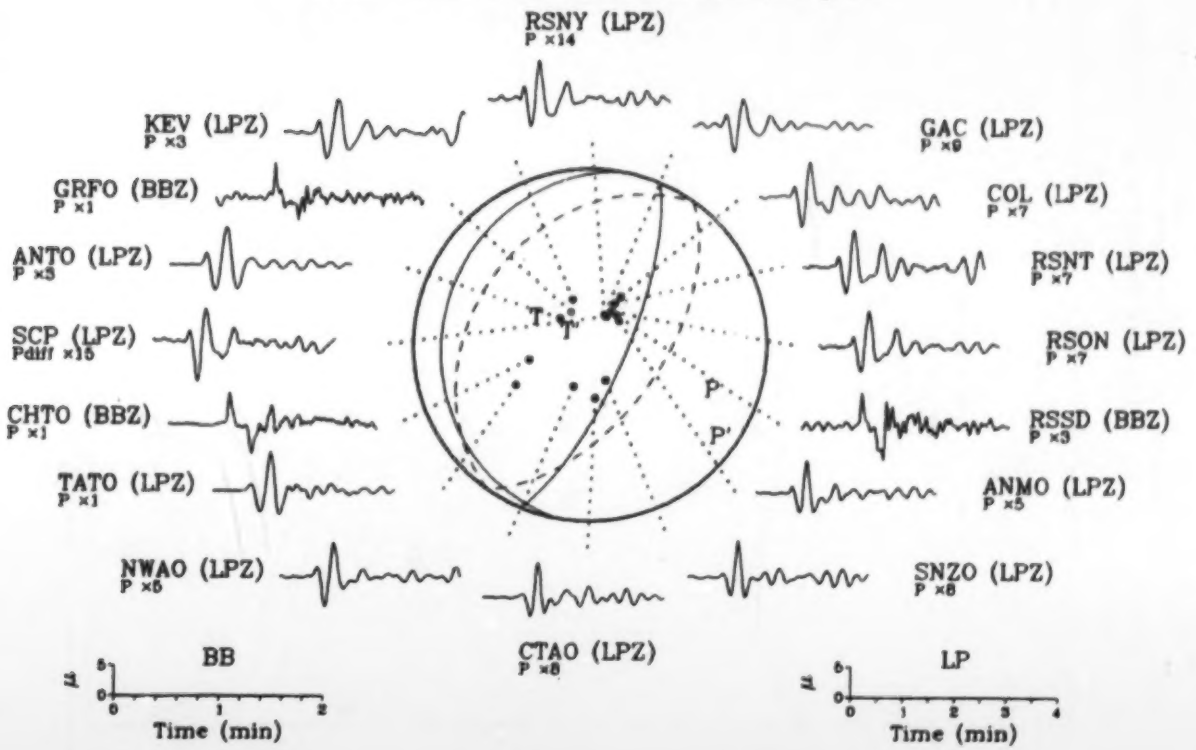
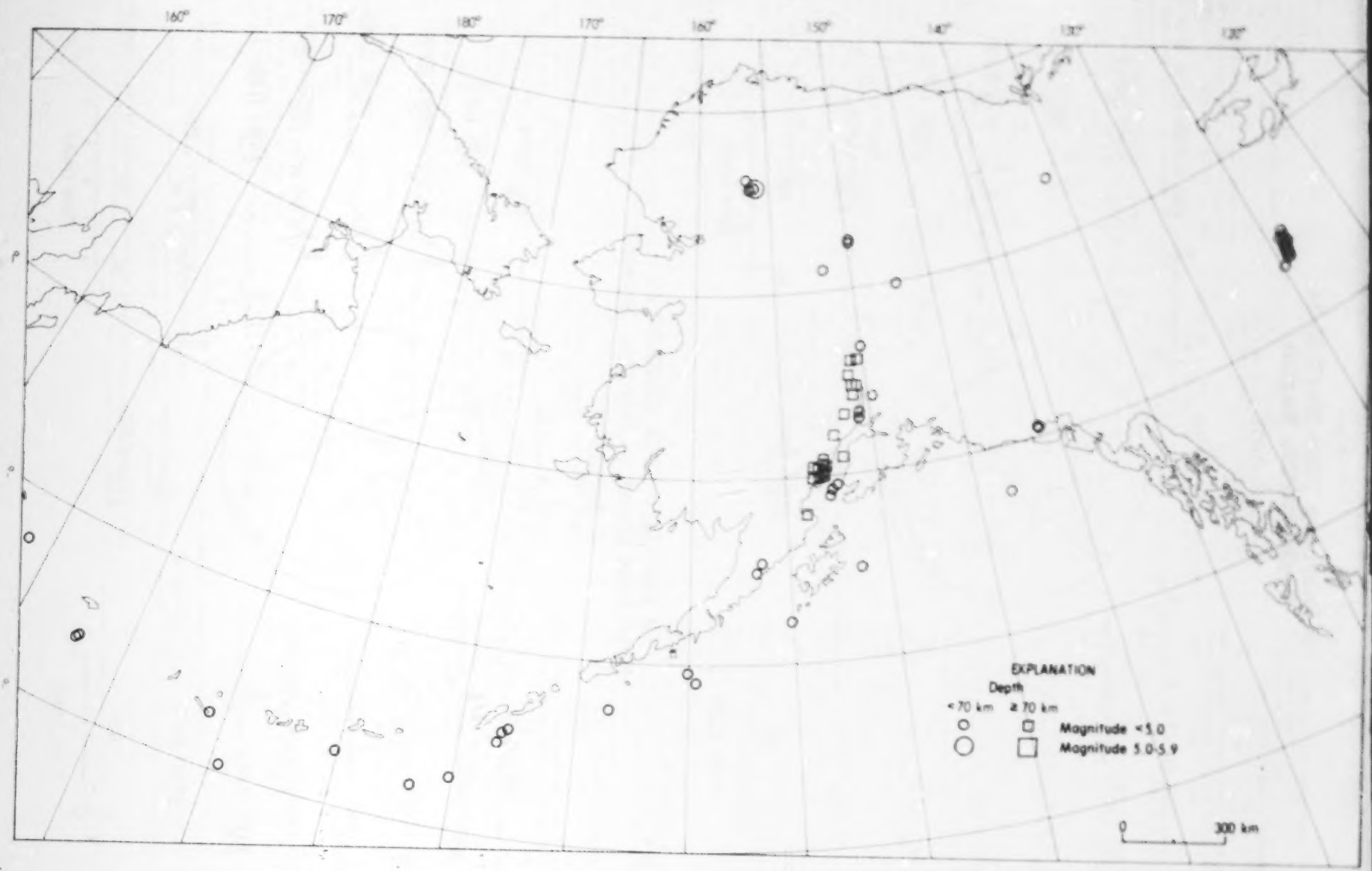
03 February 1986 20:47:35.34
Bonin Islands Region

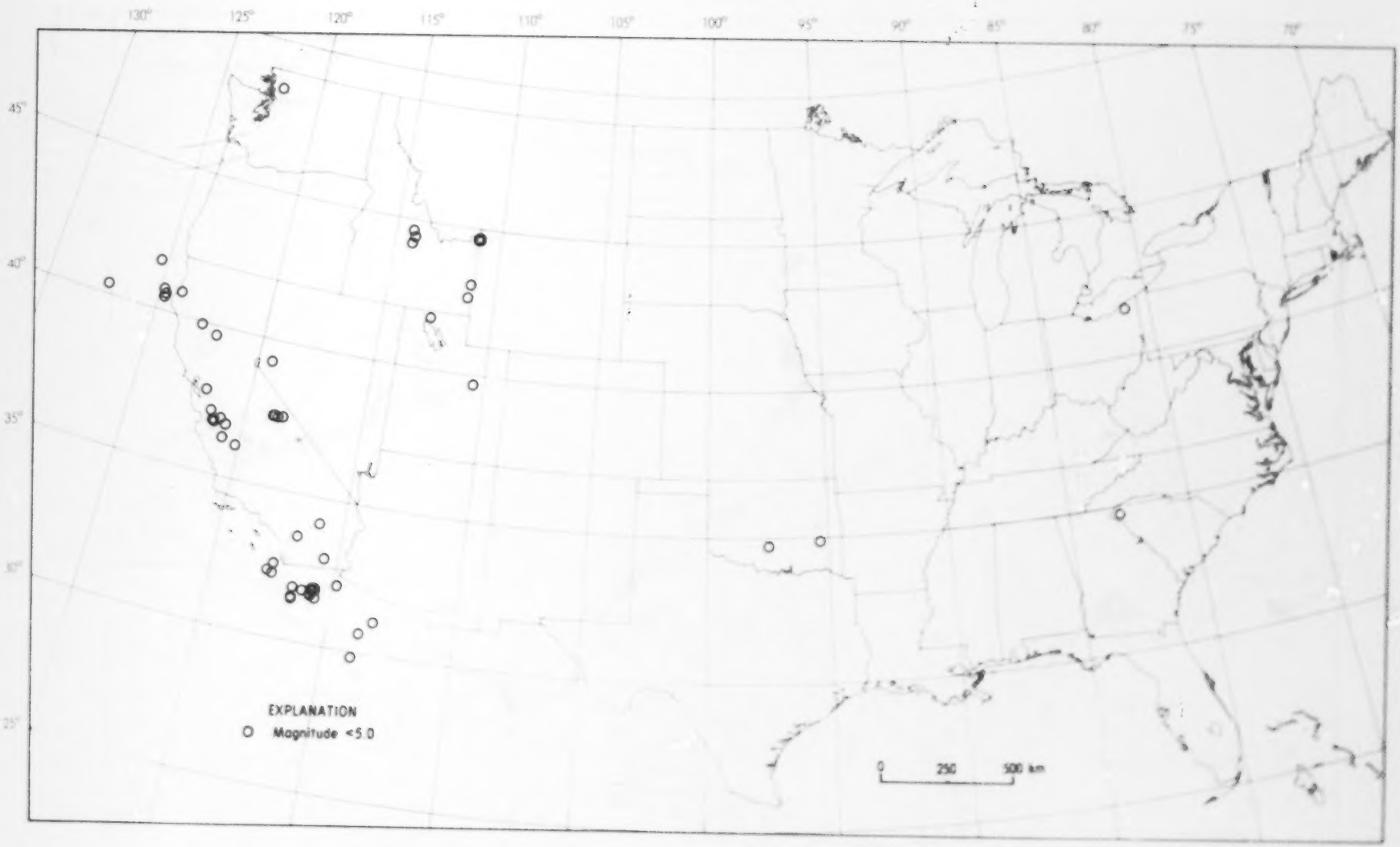


12 February 1986 02:59:30.42
Near East Coast of Honshu, Japan

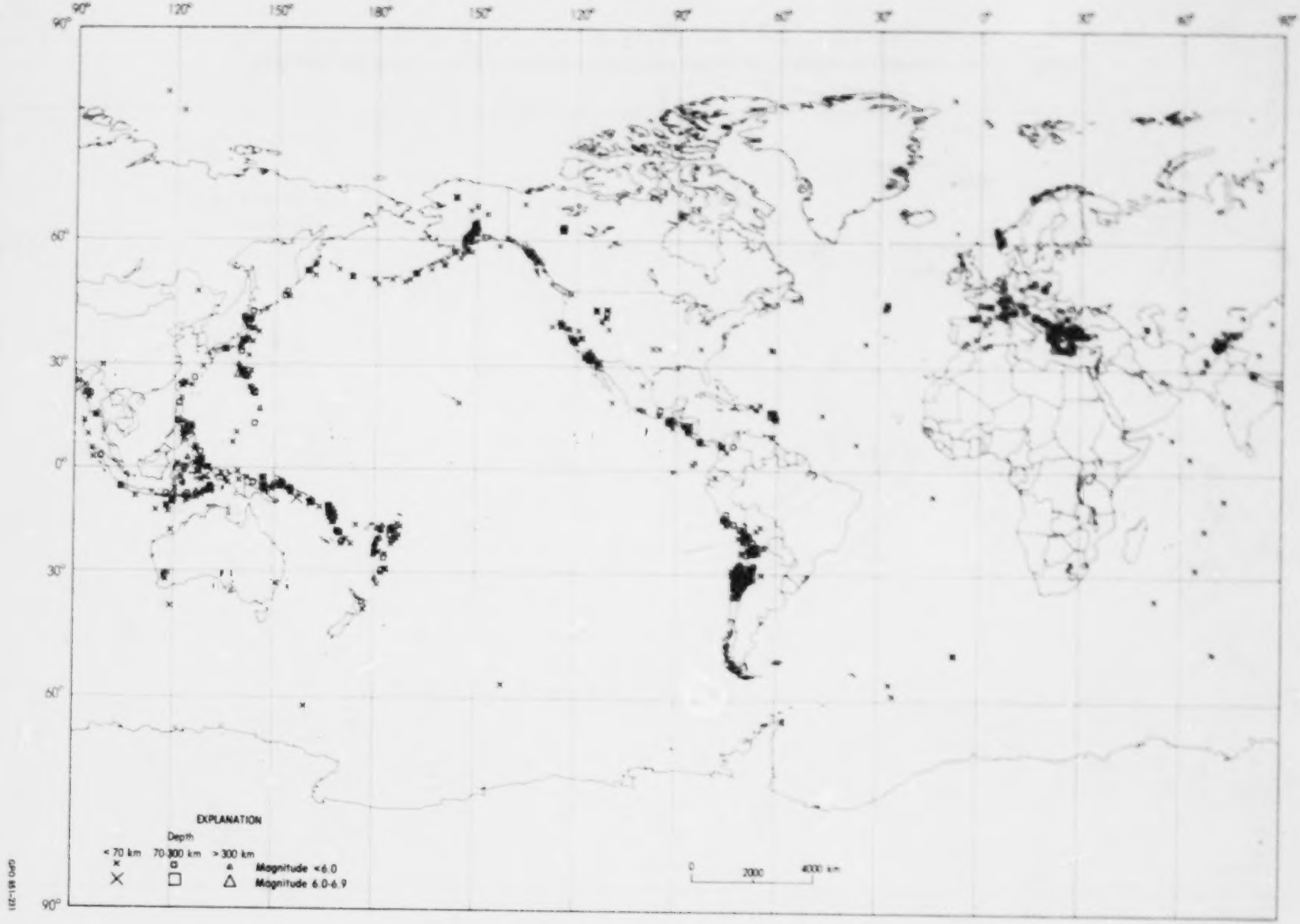




Earthquake epicenters in Alaska and adjacent regions for February, 1986 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for February, 1986 (C. Stover)



Earthquakes located in February, 1986 (C. Stover).

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KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	MSZ	SQ	NO STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	11	56.9*	24.625	S	110.050	W	10	G	4.9	5.3	1.4	27	EASTER ISLAND CORDILLERA
	01	00	21	15.9	36.199	N	69.859	E	130	D	4.2		1.3	32	HINDU KUSH REGION
	01	00	44	26.6*	35.752	N	22.133	E	10	G	4.2		1.3	13	MEDITERRANEAN SEA. ML 3.8 (ATH).
	01	00	06	21.6*	29.882	S	71.533	W	33	N			1.2	10	NEAR COAST OF CENTRAL CHILE
	01	01	19	56.5	28.090	N	140.668	E	33	N	4.4	4.6	1.1	20	BONIN ISLANDS REGION
	01	01	53	14.6	17.859	S	178.784	W	590	*	4.7		0.7	47	FIJI ISLANDS REGION
	01	03	00	58.67	39.10	N	29.53	E	10	G			1.4	5	TURKEY
	01	05	22	22.6*	7.093	S	130.588	E	33	N			1.4	10	TANIMBAR ISLANDS REGION
	01	06	39	13.4	44.996	N	146.488	E	150	D	4.7		1.0	56	KURIL ISLANDS
	01	08	21	10.67	51.66	N	16.24	E	13				0.6	9	POLAND. ML 3.3 (VKA), 3.3 (KBA).
	01	08	38	40.57	17.68	N	62.85	W	10	G			0.3	10	LEEWARD ISLANDS. ML 4.0 (FDF).
o	01	08	47	42.8*	62.687	S	155.111	E	10	G	4.9	5.1	1.4	19	BALLENY ISLANDS REGION
	01	08	58	28.5&	58.819	N	153.176	W	96					26	KODIAK ISLAND REGION. <AGS-P>.
	01	09	15	09.6*	34.099	S	72.872	W	33	N			0.8	10	NEAR COAST OF CENTRAL CHILE
	01	12	23	22.8	8.899	S	71.257	W	620	*	4.4		0.6	23	WESTERN BRAZIL
	01	14	25	48.27	51.53	N	16.89	E	10	G			0.7	9	POLAND. ML 3.5 (VKA), 3.4 (KBA).
	01	15	09	44.3	34.682	N	82.968	E	33	N	5.0		1.0	41	TIBET
o	01	16	41	40.6	6.300	S	130.949	E	80		5.6		1.1	100	BANDA SEA
	01	19	29	14.6&	16.948	N	61.841	W	10	G			1.3	5	LEEWARD ISLANDS
	01	20	15	28.17	15.77	S	33.31	E	33	N			1.5	6	MOZAMBIQUE. MG 2.9 (BUL).
	01	20	19	59.5*	40.438	N	140.373	E	22	*	4.5		1.0	9	HONSHU, JAPAN
	01	20	34	00.4	40.541	N	140.289	E	31		4.7		1.3	33	HONSHU, JAPAN. Felt (I JMA) at Akita.
	01	22	01	58.5*	51.597	N	7.291	E	10	G			0.8	9	GERMANY. ML 2.2 (BNS).
	01	22	02	53.9*	39.030	N	23.606	E	20	*			1.4	10	AEGEAN SEA. ML 3.2 (ATH).
	01	22	22	29.1	42.300	N	19.926	E	10	G	3.5		1.3	25	YUGOSLAVIA. MD 3.5 (TTG).
	01	23	18	18.9	39.090	N	25.157	E	10	G			0.7	8	AEGEAN SEA. ML 3.1 (ATH).
	02	00	42	40.4	32.523	N	89.327	E	33	N	4.9		1.2	24	TIBET
	02	01	50	48.1	45.346	N	150.881	E	33	N	4.9		1.0	20	KURIL ISLANDS
	02	01	58	54.47	44.68	N	7.16	E	10	G			0.3	4	NORTHERN ITALY. ML 2.3 (LDG).
	02	02	30	44.4*	16.114	N	96.431	W	33	N	3.9		1.2	10	OAXACA, MEXICO
	02	03	00	41.6	9.565	N	122.287	E	33	N	4.1		1.4	17	NEGROS, PHILIPPINE ISLANDS
o	02	03	14	41.8	51.678	N	156.936	E	110	D	5.6		0.8	291	KAMCHATKA. Felt (III) at Petropavlovsk-Kamchatskiy. Felt (IV) at Severo-Kurilsk, Kuril Islands.
	02	03	32	27.3*	34.973	N	29.310	E	33	N			1.1	9	EASTERN MEDITERRANEAN SEA
	02	03	49	07.4*	2.658	N	128.148	E	102	?	5.0		1.2	15	HALMAHERA
	02	03	55	21.3	38.187	N	21.857	E	13		4.1		1.0	27	GREECE. ML 3.5 (ATH).
	02	03	58	19.5*	23.728	S	66.035	W	33	N			1.5	5	JUJUY PROVINCE, ARGENTINA
	02	04	08	38.9	17.894	S	178.548	W	615	*	4.8		1.2	38	FIJI ISLANDS REGION
	02	04	10	20.07	34.42	S	72.06	W	10	G			0.4	11	NEAR COAST OF CENTRAL CHILE
	02	04	52	36.4	4.390	S	153.822	E	252		4.7		0.8	28	NEW IRELAND REGION
	02	05	39	59.67	43.15	N	18.44	E	10	G			0.6	6	YUGOSLAVIA. ML 2.6 (TTG).
o	02	05	49	12.1	50.789	N	179.176	E	33	N	5.4	5.3	1.0	253	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.3 (PMR). Ms 5.6 (BRK), 5.4 (PAS).
o	02	07	09	27.4	38.471	N	142.296	E	30	D	5.6	5.7	1.0	313	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Miyako and Morioka; (III JMA) at Sendai, Ofunato and Hachinohe; (II JMA) at Tokyo, Yamagata and Akita; (I JMA) at Choshi and Utsunomiya. Also felt (I JMA) at Hakodate, Hokkaido.
	02	08	16	43.2?	17.89	S	169.26	E	33	N			1.6	5	VANUATU ISLANDS
	02	08	48	19.2	11.518	N	143.265	E	33	N	4.9		0.8	23	SOUTH OF MARIANA ISLANDS
	02	09	01	26.7	61.896	N	124.187	W	10	G	5.0	4.3	1.0	70	NORTHWEST TERRITORIES, CANADA
	02	10	08	26.0*	11.450	N	143.342	E	33		4.9		0.4	12	SOUTH OF MARIANA ISLANDS
	02	10	39	17.7	40.821	N	27.889	E	10	G			0.6	7	TURKEY
	02	10	55	24.9	44.646	N	111.108	W	5	G			0.8	11	HEBGEN LAKE REGION. ML 3.2 (NEIS).
	02	11	25	18.67	47.48	N	12.15	E	10	G			1.6	5	AUSTRIA. ML 2.0 (KBA).
	02	11	44	24.8*	5.886	S	145.193	E	150	?	3.8		1.2	6	EAST PAPUA NEW GUINEA REGION
	02	12	20	46.2*	23.983	N	108.869	W	10	G	4.5		1.3	17	GULF OF CALIFORNIA
	02	12	21	26.6*	5.111	S	150.131	E	311		4.5		0.9	17	NEW BRITAIN REGION

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I 19.66:

	02	12	20	42.0•	31.623	S	67.726	W	10	G			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	02	12	57	03.5	61.860	N	124.495	W	10	G	4.3		1.1	11	NORTHWEST TERRITORIES, CANADA
	02	12	58	48.4?	40.83	N	27.92	E	10	G			0.6	4	TURKEY
	02	12	59	36.1	44.650	N	111.035	W	5	G			0.6	7	HEBGEN LAKE REGION. ML 3.0 (NEIS).
	02	13	05	28.6•	39.696	N	82.620	E	10	G	4.2		1.0	14	SOUTHERN XINJIANG, CHINA
	02	13	23	59.0%	40.847	N	28.914	E	5	G			1.6	5	TURKEY
	02	14	28	46.5&	59.817	N	147.855	W	34					21	GULF OF ALASKA. <AGS-P>.
	02	15	54	47.8	5.310	S	152.235	E	61		4.5		1.3	29	NEW BRITAIN REGION
	02	16	07	29.0	45.372	N	150.965	E	33	N	5.1	4.2	0.7	73	KURIL ISLANDS
	02	16	52	58.4•	18.277	S	168.648	E	33	N	4.8		1.0	22	VANUATU ISLANDS
	02	17	01	29.0?	21.68	S	178.76	W	443	?	4.8		1.5	17	FIJI ISLANDS REGION
	02	18	02	25.9•	36.323	N	26.936	E	117	?			0.7	8	DODECANESE ISLANDS
	02	19	23	18.3&	61.956	N	149.982	W	47					38	SOUTHERN ALASKA. <AGS-P>.
	02	19	41	23.5•	31.701	S	69.728	W	142	?			0.7	10	SAN JUAN PROVINCE, ARGENTINA
	02	20	06	58.4•	45.165	N	14.638	E	5	G			1.4	31	YUGOSLAVIA. ML 3.8 (KBA), 3.2 (TRI), 3.2 (VKA). Felt (V) in the Rijeka area.
	02	20	37	59.6•	10.600	S	74.415	W	33	N			0.9	6	PERU
	02	20	42	25.8	51.348	N	176.715	W	33	N	5.1	4.4	1.3	116	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR). Felt on Adak.
	02	23	03	01.0&	35.910	N	118.350	W	6	G				11	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	02	23	16	00.7•	38.094	N	21.791	E	10	G			1.1	5	GREECE. ML 3.2 (ATH).
	02	23	27	14.3?	23.10	S	114.81	W	10	G	4.1		1.4	13	EASTER ISLAND REGION
	02	23	33	24.4&	31.879	N	115.783	W	8	G				4	BAJA CALIFORNIA. <ECX-P>. MD 2.8 (ECX).
	03	00	14	20.0?	29.89	N	7.22	W	10	G			1.1	6	MOROCCO
o	03	01	24	05.4	41.967	N	20.292	E	19		5.0	5.0	1.2	196	ALBANIA. ML 5.0 (ATH), 4.6 (TTG). Damage (VI) in the Kukes area; felt at Peshkopia and Tirana. Felt (V) at Debar, Gostivar and Tetovo; (IV) at Skopje, Yugoslavia.
	03	04	01	41.8	43.187	N	18.443	E	5	G			1.0	11	YUGOSLAVIA. ML 2.7 (TTG).
	03	04	09	27.2?	19.45	S	178.13	W	622	•	4.5		0.7	14	FIJI ISLANDS REGION
	03	04	25	53.2	41.947	N	20.289	E	16		4.5		1.2	116	ALBANIA. ML 4.7 (ATH). Damage (VI) in the Kukes area. Felt (IV) in the Tetovo area, Yugoslavia.
	03	06	06	02.7&	60.752	N	151.743	W	77					29	KENAI PENINSULA, ALASKA. <AGS-P>.
	03	06	12	39.7	43.117	N	0.196	W	10	G			0.7	13	PYRENEES. ML 3.3 (LDG).
	03	06	59	30.9	41.888	N	20.404	E	10	G			1.0	6	ALBANIA. ML 2.7 (TTG).
	03	07	26	06.2	43.704	N	31.402	E	45		4.4		1.1	60	BLACK SEA
	03	07	34	48.5•	62.458	N	152.469	W	10	G			1.6	7	CENTRAL ALASKA. ML 2.7 (PMR).
	03	08	35	26.9%	40.644	N	29.100	E	10	G			0.5	8	TURKEY
	03	08	49	29.3&	57.348	N	151.240	W	37					15	KODIAK ISLAND REGION. <AGS-P>.
	03	09	32	27.3	41.922	N	20.391	E	10	G			0.6	8	ALBANIA. ML 2.6 (TTG).
	03	09	46	51.0•	16.079	N	96.210	W	44		4.6		0.9	37	OAXACA, MEXICO
	03	10	35	05.3?	40.08	N	27.39	E	14	?			0.3	5	TURKEY
	03	11	05	59.9?	34.14	S	177.31	W	33	N	4.8		0.7	7	SOUTH OF KERMADEC ISLANDS
	03	11	31	05.7•	18.897	S	69.762	W	114	•	4.6		1.2	13	NORTHERN CHILE
	03	11	45	17.4	35.308	N	102.514	W	5	G			1.2	10	TEXAS PANHANDLE REGION. mbLg 3.1 (TUL).
	03	11	45	59.8	41.890	N	20.384	E	10	G			0.9	10	ALBANIA. ML 2.8 (TTG).
	03	12	35	49.5	41.925	N	20.265	E	7		4.3		1.2	87	ALBANIA. ML 4.1 (TTG), 3.8 (SKO). Felt (IV) at Tetovo; (III) at Skopje; (I) at Gostivar, Yugoslavia.
	03	13	18	20.3&	33.750	N	117.520	W	6	G				13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt (IV) at Corona and Silverado, (III) at Canyon Lake, El Toro and Riverside. Also felt at Colton.
	03	14	45	20.0&	36.835	N	121.268	W	6					16	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt in the Hollister area.
	03	14	51	13.8•	12.002	N	125.754	E	54	•	5.0	3.6	1.3	35	SAMAR, PHILIPPINE ISLANDS
	03	14	58	32.7	44.347	N	17.804	E	10	G			1.1	13	YUGOSLAVIA. ML 3.5 (TRI), 3.1 (KBA).
	03	17	56	18.5&	40.613	N	127.210	W	5	G				17	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK).
	03	17	56	24.1&	40.398	N	127.348	W	5	G				14	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK).
	03	19	22	48.5?	12.45	N	88.46	W	33	N	4.7		1.0	8	OFF COAST OF CENTRAL AMERICA
	03	19	32	49.8&	60.434	N	153.119	W	136					22	SOUTHERN ALASKA. <AGS-P>.
	03	21	12	41.5•	40.774	N	33.515	E	10	G			0.5	6	TURKEY
	03	21	22	25.8	41.918	N	20.396	E	10	G			0.9	8	ALBANIA
	03	21	26	19.2%	38.639	N	27.803	E	10	G			1.4	6	TURKEY
	04	00	24	38.2	37.665	N	73.837	E	5	G	4.8		1.1	16	TAJIK SSR. Felt (IV) at Murgab.
	04	01	25	52.4•	24.103	S	66.948	W	211	•			0.2	6	SALTA PROVINCE, ARGENTINA
	04	02	31	33.9?	17.94	N	103.72	W	33	N	4.8		0.4	5	NEAR COAST OF MICHOACAN, MEXICO
	04	02	41	57.0•	17.486	S	167.777	E	33	N	4.5	4.2	1.0	26	VANUATU ISLANDS
	04	03	37	17.4•	7.272	N	94.344	E	33	N	4.3		1.1	12	NICOBAR ISLANDS REGION
	04	03	50	23.0•	26.848	S	177.065	W	33	N	4.6		1.1	13	SOUTH OF FIJI ISLANDS
	04	05	09	05.3•	6.871	N	76.384	W	33	N			0.7	6	NORTHERN COLOMBIA
	04	05	54	22.2	43.014	N	18.700	E	10	G			0.6	9	YUGOSLAVIA. ML 2.7 (TTG).
	04	06	29	26.2•	22.113	S	67.203	W	209	•			1.5	11	CHILE-BOLIVIA BORDER REGION
	04	06	30	08.3•	3.129	N	128.013	E	33	N	4.8		1.2	13	NORTH OF HALMAHERA
	04	06	32	50.9•	5.220	N	75.591	W	33	N			1.4	8	COLOMBIA. Felt at Manizales.
	04	07	27	24.2	11.827	N	85.818	W	187		4.5		1.2	114	NICARAGUA
	04	08	29	43.6•	51.252	N	178.524	E	33	N	4.5		1.3	31	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PMR).
o	04	08	47	14.6	51.553	N	166.943	W	33	N	5.6	4.6	1.1	229	ALEUTIAN ISLANDS REGION. ML 5.6 (PMR). Ms 5.2 (BRK).
	04	08	50	33.8•	51.817	N	166.952	W	33	N	4.8		1.4	12	ALEUTIAN ISLANDS REGION
	04	08	56	58.3•	37.176	S	176.295	E	270	•	4.2		1.1	18	NORTH ISLAND, NEW ZEALAND
	04	09	04	45.7•	5.535	S	145.909	E	45	•	4.6	3.7	1.2	13	EAST PAPUA NEW GUINEA REGION
	04	09	12	26.5&	60.832	N	152.378	W	100					37	SOUTHERN ALASKA. <AGS-P>.
	04	10	30	25.3	51.649	N	166.883	W	33	N	4.9		1.1	79	ALEUTIAN ISLANDS REGION. ML 5.1 (PMR).
	04	10	55	22.4•	5.357	S	151.585	E	88	•	4.2		1.0	12	NEW BRITAIN REGION
	04	11	34	58.7•	13.195	N	90.928	W	33	N	3.9		1.4	24	NEAR COAST OF GUATEMALA
	04	12	01	01.6?	34.31	S	177.01	W	33	N	5.1		0.9	14	SOUTH OF KERMADEC ISLANDS
	04	12	03	30.1%	28.131	S	67.592	W	142	?			0.5	8	LA RIOJA PROVINCE, ARGENTINA
	04	12	52	44.0&	59.954	N	153.356	W	131					26	SOUTHERN ALASKA. <AGS-P>.
	04	14	10	01.5•	10.379	N	84.529	W	133	•			1.2	17	COSTA RICA
	04	14	14	30.3?	6.46	S	149.57	E	73	?			0.4	5	NEW BRITAIN REGION
	04	15	08	59.7	6.513	S	146.801	E	109		5.0		1.1	29	EAST PAPUA NEW GUINEA REGION
	04	15	26	47.3?	37.21	N	27.84	E	10	G			1.4	5	TURKEY
	04	15	35	33.0&	59.597	N	152.787	W	99					28	SOUTHERN ALASKA. <AGS-P>.
	04	15	36	12.6?	32.12	S	71.74	W	33	N			0.9	6	NEAR COAST OF CENTRAL CHILE
	04	17	34	40.8	45.669	N	26.388	E	168		3.8		0.8	22	ROMANIA
	04	17	46	40.2	35.932	N	120.715	W	5	G			1.1	10	CENTRAL CALIFORNIA. ML 2.5 (BRK).

	04	18	26	29.47	0.01	N	123.29	E	250	?	4.1		0.9	10	MINAHASSA PENINSULA
	04	19	00	41.8	42.322	N	19.845	E	10	G			0.9	9	YUGOSLAVIA. ML 2.8 (TTG).
	04	19	36	58.4•	11.486	N	93.128	E	33	N			0.8	8	ANDAMAN ISLANDS REGION
	04	19	54	52.6	36.790	N	121.274	W	10	G			0.7	12	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	04	20	02	35.0&	40.752	N	110.567	W	0					8	UTAH. <SLC-P>. ML 2.9 (SLC).
	04	21	47	52.7%	46.188	N	8.981	E	10	G			1.0	8	SWITZERLAND
	04	22	28	39.5•	8.139	S	69.478	E	10	G	4.6	4.0	0.9	22	CHAGOS ARCHIPELAGO REGION
	05	00	56	43.9	47.747	N	7.441	E	10	G			0.8	11	SWITZERLAND. ML 2.2 (LDG)
	05	01	05	04.1&	58.782	N	149.988	W	22					38	GULF OF ALASKA. <AGS-P>. ML 3.4 (PWR).
	05	01	07	57.07	47.39	N	152.45	E	33	N	4.8		0.5	10	KURIL ISLANDS
	05	01	44	31.7	42.386	N	18.917	E	5	G			1.1	13	YUGOSLAVIA. ML 2.9 (TTG).
	05	01	56	34.97	7.14	S	147.86	E	5	G	3.4		1.4	5	EAST PAPUA NEW GUINEA REGION
	05	02	02	45.5	42.356	N	18.928	E	10	G			0.1	6	YUGOSLAVIA. MD 2.2 (TTG).
	05	02	02	55.3	49.988	N	6.716	E	10	G			0.8	7	GERMANY
	05	02	03	14.8•	42.328	N	18.932	E	10	G			0.7	5	YUGOSLAVIA. ML 2.4 (TTG).
	05	02	15	09.5	22.504	S	66.150	W	257		4.6		1.3	27	JUJUY PROVINCE, ARGENTINA
	05	02	20	06.5•	38.774	N	20.776	E	5	G			1.0	7	GREECE. ML 3.9 (ATH).
	05	02	33	35.5%	46.481	N	8.589	E	10	G			1.1	7	SWITZERLAND
	05	05	29	08.9•	28.178	N	140.714	E	33	N			1.0	7	BONIN ISLANDS REGION
	05	06	02	48.1	34.771	N	88.272	E	33	N	4.4		1.1	15	TIBET
	05	06	34	49.6•	29.113	S	70.286	W	33	N			0.8	8	CENTRAL CHILE
	05	07	53	14.4	46.741	N	2.887	E	10	G			0.4	9	FRANCE. ML 2.2 (LDG).
o	05	08	25	08.7	28.585	S	178.285	E	613		5.3		1.0	181	SOUTH OF FIJI ISLANDS
	05	10	14	45.8	33.042	S	70.249	W	112	?			0.5	13	CHILE-ARGENTINA BORDER REGION
	05	11	21	04.8•	35.490	S	53.960	E	10	G	4.8		1.4	19	ATLANTIC-INDIAN RISE
	05	11	53	06.67	37.58	N	70.51	E	33	N	4.3		0.3	5	AFGHANISTAN-USSR BORDER REGION
	05	12	36	34.9•	16.293	N	97.389	W	10	G	4.2		0.7	5	OAXACA, MEXICO
	05	13	49	35.1	40.821	N	27.917	E	5	G			1.2	9	TURKEY
	05	14	26	41.9	2.797	S	139.131	E	33	N	4.8	3.7	1.0	33	NEAR N. COAST OF WEST IRIAN
	05	14	32	48.8	44.533	N	9.781	E	11				1.2	25	NORTHERN ITALY. ML 3.2 (LDG), 3.0 (KBA).
o	05	15	47	06.8	18.813	S	169.685	E	287	D	5.6		1.0	314	VANUATU ISLANDS
	05	15	57	58.2	42.361	N	18.914	E	10	G			1.3	11	YUGOSLAVIA. ML 2.5 (TTG).
	05	18	42	04.0&	61.929	N	151.283	W	79					42	SOUTHERN ALASKA. <AGS-P>.
	05	18	46	16.3&	61.139	N	152.084	W	97					32	SOUTHERN ALASKA. <AGS-P>.
	05	19	00	07.5•	28.216	N	140.757	E	33	N	4.9		1.3	13	BONIN ISLANDS REGION
	05	19	58	56.3	6.824	S	130.326	E	33	N	4.9		1.5	25	TANIMBAR ISLANDS REGION
	05	20	53	46.6•	6.304	S	130.526	E	33	N	4.6		1.4	12	TANIMBAR ISLANDS REGION
	05	21	10	34.8&	59.922	N	152.837	W	87					29	SOUTHERN ALASKA. <AGS-P>.
	05	21	51	17.2	46.732	N	2.883	E	10	G			0.4	11	FRANCE. ML 2.7 (LDG).
	05	22	57	55.9•	34.281	S	178.871	W	42	D	5.2		1.1	25	SOUTH OF KERMADEC ISLANDS
	05	23	35	23.7?	29.75	S	71.96	W	33	N			1.4	8	NEAR COAST OF CENTRAL CHILE
	05	23	52	10.7•	21.903	N	102.972	E	33	N	4.4		1.3	10	SOUTHEAST ASIA
f	06	00	05	38.3	40.368	N	51.555	E	33	N	6.2	6.3	1.1	346	CASPIAN SEA. Ms 6.6 (BRK). Minor damage at Baku. Felt (VI) at Krasnovodsk; (IV) at Sumgait, Lenkoran and Kirovabad; (III) at Makhachkala, USSR.
	06	00	43	06.5	40.383	N	51.592	E	33	N	4.7		0.6	49	CASPIAN SEA
	06	00	59	27.4%	46.713	N	2.875	E	10	G			0.4	8	FRANCE. ML 2.0 (LDG).
	06	01	00	48.5%	46.799	N	2.820	E	10	G			0.4	5	FRANCE. ML 1.8 (LDG).
	06	01	39	39.07	6.57	N	82.51	W	10	G			0.5	9	SOUTH OF PANAMA. MD 4.3 (HDC).
	06	01	51	53.6•	40.351	N	51.599	E	33	N	4.7		1.0	8	CASPIAN SEA
	06	03	39	01.2	56.354	N	153.694	W	33	N	4.3		0.8	32	KODIAK ISLAND REGION. ML 4.4 (PWR).
	06	03	41	16.6&	31.703	N	115.949	W	8	G				4	BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
	06	03	41	36.3	56.315	N	153.460	W	33	N	5.1	4.8	0.9	113	KODIAK ISLAND REGION. ML 4.7 (PWR).
	06	04	02	11.2•	52.080	N	17.198	E	13				0.9	18	POLAND. ML 3.6 (GRF), 3.5 (VKA).
o	06	04	08	18.8	56.286	N	153.524	W	33	N	5.3	5.0	1.0	145	KODIAK ISLAND REGION. ML 5.1 (PWR). Ms 5.0 (BRK).
	06	04	14	18.3	42.363	N	18.932	E	10	G			0.4	7	YUGOSLAVIA. ML 2.4 (TTG).
	06	05	06	22.6	40.359	N	51.692	E	33	N	4.4		0.7	22	CASPIAN SEA
	06	08	34	51.0&	47.000	N	66.600	W	5	G				5	NEW BRUNSWICK. <OTT-P>. mbLg 3.5 (OTT). Felt in the Bathurst area.
	06	08	36	57.4	40.412	N	51.443	E	33	N	4.6		0.7	40	CASPIAN SEA
	06	10	16	00.2•	67.455	N	164.299	W	33	N			0.7	6	ALASKA. ML 3.4 (PWR).
	06	12	13	49.1•	4.528	S	134.539	E	33	N	4.2		1.5	8	WEST IRIAN REGION
o	06	12	31	24.0	7.000	S	155.781	E	72		5.9		0.8	301	SOLOMON ISLANDS. Ms 5.5 (PAS). Felt (IV) at Panguna and Arawa.
o	06	12	34	56.0	21.161	S	169.966	E	125	D	5.8		1.0	128	LOYALTY ISLANDS REGION
	06	12	52	31.2	40.376	N	51.557	E	33	N	4.8		0.8	32	CASPIAN SEA
	06	14	11	22.9	46.138	N	3.313	E	10	G			0.6	10	FRANCE. ML 2.6 (LDG).
	06	14	25	46.5•	42.323	N	18.885	E	10	G			0.5	5	YUGOSLAVIA. ML 2.4 (TTG).
	06	15	28	05.5	40.332	N	51.751	E	33	N	4.5		0.7	36	CASPIAN SEA
	06	17	44	26.2%	42.356	N	18.945	E	10	G			0.2	5	YUGOSLAVIA. MD 2.2 (TTG).
	06	18	07	34.7	42.376	N	18.900	E	10	G			1.3	8	YUGOSLAVIA. MD 2.7 (TTG).
	06	18	25	35.8	36.011	N	137.428	E	38		4.6		1.2	58	HONSHU, JAPAN. Felt (II JMA) at Iida; (I JMA) at Gifu, Nagoya and Tsu. Also felt at Kanazawa and Hamamatsu.
	06	19	14	14.4•	56.357	N	153.846	W	33	N	4.5		0.8	5	KODIAK ISLAND REGION. ML 3.3 (PWR).
	06	20	13	49.6•	17.816	S	178.679	W	569	•	4.5		1.0	48	FIJI ISLANDS REGION
	06	20	16	52.4	37.173	N	117.306	W	5	G			0.7	17	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK), 3.2 (PAS).
	06	20	32	21.1	28.282	S	63.232	W	569	•	4.1		0.8	23	SANTIAGO DEL ESTERO PROV., ARG.
	06	20	58	02.9&	58.884	N	154.734	W	138					22	ALASKA PENINSULA. <AGS-P>.
	06	21	03	59.1?	31.76	S	69.74	W	136	?			1.1	6	SAN JUAN PROVINCE, ARGENTINA
	06	21	15	28.5?	36.31	N	70.79	E	218	?	4.4		0.5	13	HINDU KUSH REGION
	06	21	32	52.0•	26.755	N	97.075	E	33	N	4.5		1.3	14	BURMA
	06	22	01	58.4•	33.059	S	68.537	W	5	G			1.5	6	MENDOZA PROVINCE, ARGENTINA. Felt (IV) in the Godoy Cruz-Mendoza area.
	06	23	03	26.8•	15.289	N	146.564	E	33	N	4.6		0.9	13	MARIANA ISLANDS
	06	23	48	06.1•	41.929	N	20.286	E	10	G			1.5	6	ALBANIA
	07	00	08	11.1&	61.746	N	151.037	W	69					36	SOUTHERN ALASKA. <AGS-P>.
	07	00	45	16.9•	43.043	N	18.987	E	10	G			1.3	9	YUGOSLAVIA. ML 3.1 (KBA), 2.9 (TTG).
	07	00	49	17.3•	51.342	N	15.662	E	10	G			1.4	8	POLAND. ML 3.6 (KBA), 3.5 (VKA).
	07	02	21	27.9	40.366	N	51.559	E	40		5.0		0.8	116	CASPIAN SEA
o	07	02	46	52.0	4.998	S	151.710	E	116		6.0		1.0	345	NEW BRITAIN REGION. Mb 5.8 (PAS). Felt (III) at Rabaul. Also felt (III) at Panguna, Bougainville.
	07	04	02	43.8	15.216	N	68.973	W	114		4.4		0.8	24	LEEWARD ISLANDS. Felt (III) on Martinique.

87	04	29	53.5?	42.99	N	18.60	E	10	G			0.7	5	YUGOSLAVIA. ML 2.4 (TTG).
87	06	23	27.8	41.940	N	20.270	E	8		3.8		1.0	31	ALBANIA. ML 3.5 (TTG).
87	08	12	05.6•	39.906	N	24.438	E	10	G			0.6	10	AEGEAN SEA
87	08	49	36.1?	17.13	S	178.73	W	580	G	4.1		0.7	13	FIJI ISLANDS REGION
87	08	55	10.4•	18.036	S	178.488	W	606		4.6		0.9	54	FIJI ISLANDS REGION
87	09	07	43.6%	16.874	N	61.957	W	10	G			0.4	5	LEEWARD ISLANDS. ML 2.8 (FDF).
87	09	14	45.4	28.299	N	140.601	E	33	N	4.6		1.1	35	BONIN ISLANDS REGION
87	09	47	24.5	40.710	N	29.815	E	10	G			0.4	11	TURKEY
87	10	17	46.2%	39.622	N	28.535	E	10	G			0.7	9	TURKEY
87	11	11	38.5?	1.96	S	100.64	E	153	?	4.8		0.3	6	SOUTHERN SUMATERA
87	11	14	38.1•	16.995	N	60.700	W	31				0.3	10	LEEWARD ISLANDS. ML 3.3 (FDF).
87	11	15	52.4•	61.660	N	124.130	W	10	G			1.0	6	NORTHWEST TERRITORIES, CANADA
87	12	26	20.1•	45.565	N	26.564	E	127	?			0.5	8	ROMANIA
87	12	31	29.3?	18.76	S	67.26	W	33	N			0.7	7	BOLIVIA
87	12	46	31.3•	4.967	S	152.844	E	85	•	4.5		0.8	7	NEW BRITAIN REGION
87	12	58	11.5?	35.28	N	23.17	E	59	?	3.9		1.1	5	CRETE
87	13	09	18.6	41.938	N	20.369	E	10	G			1.1	9	ALBANIA. MG 2.7 (SKO).
87	14	06	35.1•	5.390	S	152.404	E	33	N	4.1		1.1	9	NEW BRITAIN REGION
87	14	29	15.3?	51.18	N	19.85	E	10	G			0.4	6	POLAND. ML 3.2 (KRA).
87	16	10	22.1&	31.842	N	115.778	W	8	G				4	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
87	16	55	59.4&	58.292	N	154.878	W	72					46	ALASKA PENINSULA. <AGS-P>.
87	17	53	06.8•	7.487	S	129.644	E	155	?	4.6		0.7	7	BANDA SEA
87	18	20	32.3	21.915	S	67.344	W	208				0.6	11	CHILE-BOLIVIA BORDER REGION
87	19	44	57.3•	8.704	S	112.841	E	33	N	4.7		0.8	21	JAVA
87	20	18	39.8?	18.57	S	66.99	W	33	N			1.1	5	BOLIVIA
87	21	26	44.4%	16.813	N	60.706	W	32				0.4	10	LEEWARD ISLANDS. ML 3.1 (FDF).
87	21	53	39.0•	38.430	N	69.246	E	5	G	4.5		1.3	12	TAJIK SSR. Felt (IV) at Nurek, Obigarm and Baldzhuan.
87	22	26	35.3&	40.325	N	124.498	W	9					7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.8 (BRK).
87	22	30	32.3	24.258	N	123.414	E	64		5.8		0.9	75	SOUTHWESTERN RYUKYU ISLANDS
87	23	05	06.2	43.738	N	13.196	E	10				1.4	49	CENTRAL ITALY. ML 4.2 (KBA), 3.8 (VKA), 3.5 (TRI).
88	00	10	27.1•	12.161	N	143.569	E	10		4.9		0.8	10	SOUTH OF MARIANA ISLANDS
88	02	42	20.2•	5.399	S	145.938	E	40	•	3.5		1.2	8	EAST PAPUA NEW GUINEA REGION
88	02	58	12.0&	59.698	N	153.188	W	104					22	SOUTHERN ALASKA. <AGS-P>.
88	03	08	37.1•	36.068	N	27.216	E	33	N	3.8		0.9	8	DODECANESE ISLANDS. ML 4.2 (ATH).
88	03	58	59.2	44.048	N	82.887	E	10	G	4.5		0.7	37	NORTHERN XINJIANG, CHINA
88	05	37	51.3	60.673	N	151.843	W	83		4.3		1.0	81	KENAI PENINSULA, ALASKA. Felt at Kenai and Anchorage.
88	05	55	01.9•	30.983	N	50.317	E	66	•	4.7		0.8	14	IRAN
88	06	55	56.7	4.957	S	152.354	E	68		4.9		1.0	31	NEW BRITAIN REGION. Felt (IV) at Rabaul.
88	07	00	55.4	32.674	N	135.924	E	445		4.8		0.7	44	SOUTHEAST OF SHIKOKU, JAPAN
88	07	36	39.8	3.060	N	125.418	E	177	•	4.8		1.0	30	TALAUD ISLANDS
88	07	38	32.9?	28.14	N	140.80	E	33	N	4.9		0.6	7	BONIN ISLANDS REGION
88	10	26	46.7	40.389	N	51.550	E	33	N	4.6		1.0	80	CASPIAN SEA. Felt (III) at Krasnovodsk.
88	10	28	03.2%	27.006	S	67.163	W	33	N			1.5	5	CATAMARCA PROVINCE, ARGENTINA
88	10	28	15.3•	8.030	S	120.023	E	33	N	4.6		1.3	21	FLORES ISLAND REGION
88	10	35	23.5	39.902	N	24.191	E	10	G			0.7	9	AEGEAN SEA
88	10	44	18.2	39.882	N	24.244	E	11				1.1	18	AEGEAN SEA. ML 3.3 (ATH).
88	11	06	47.4	24.924	S	66.927	W	199		4.7		1.2	38	SALTA PROVINCE, ARGENTINA
88	14	11	00.8•	72.014	N	1.089	W	10	G			1.2	6	JAN MAYEN ISLAND REGION
88	16	30	27.4	41.523	N	21.038	E	10	G			0.9	9	YUGOSLAVIA. MG 2.7 (SKO).
88	16	30	31.7	32.955	S	66.993	W	10	G			1.1	18	SAN LUIS PROVINCE, ARGENTINA
88	17	33	14.5&	61.038	N	146.586	W	9					42	SOUTHERN ALASKA. <AGS-P>. ML 4.0 (PMR). Felt at Valdez.
88	19	07	01.6?	16.94	N	61.93	W	33	N			0.9	7	LEEWARD ISLANDS. ML 2.5 (PAG).
88	20	44	38.4	40.377	N	26.059	E	7		3.8		0.8	32	TURKEY
88	20	46	00.9%	40.423	N	26.151	E	10	G			1.0	5	TURKEY
88	20	53	56.0	3.822	N	128.567	E	45	D	5.3	4.8	1.1	85	NORTH OF HALMAHERA
88	21	00	05.9?	40.49	N	25.71	E	10	G			0.2	5	AEGEAN SEA
88	22	33	09.1?	33.79	S	178.98	W	33	N	4.6		1.4	10	SOUTH OF KERMADEC ISLANDS
88	23	38	52.0	46.701	N	152.220	E	65	D	4.6		0.9	27	KURIL ISLANDS
89	00	32	41.6•	28.154	N	140.579	E	33	N	4.5		0.9	8	BONIN ISLANDS REGION
89	01	28	13.0&	37.672	N	122.498	W	7					10	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mc=4.8•10••20 (BRK). Felt strongly at Sausalito, small items knocked from shelves. Also felt in the Daly City-San Francisco area.
89	01	55	24.9•	52.220	N	169.428	W	33	N	4.6		0.9	22	FOX ISLANDS, ALEUTIAN ISLANDS
89	02	41	04.0&	59.901	N	153.107	W	106					46	SOUTHERN ALASKA. <AGS-P>.
89	02	54	21.4•	34.486	S	70.911	W	10	G			0.3	10	CHILE-ARGENTINA BORDER REGION
89	03	06	42.1	42.341	N	19.950	E	10	G			1.2	9	YUGOSLAVIA. ML 2.7 (TTG).
89	03	25	41.2	27.485	N	141.458	E	33	N	4.6		0.2	7	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
89	03	49	20.3?	5.74	S	150.42	E	33	N	4.8		0.3	6	NEW BRITAIN REGION
89	03	58	52.2	43.166	N	0.793	W	14				1.2	31	PYRENEES. ML 3.6 (LDG).
89	05	23	44.3?	11.25	S	40.38	E	33	N			1.2	7	MOZAMBIQUE. MG 4.3 (BUL).
89	06	38	43.9	39.980	N	23.786	E	10	G			1.3	14	AEGEAN SEA
89	07	55	32.3&	60.592	N	137.885	W	2					17	SOUTHERN YUKON TERRITORY, CANADA. <AGS-P>. ML 3.6 (PMR).
o 89	08	41	56.6	8.217	S	111.693	E	117		5.2		1.2	96	JAVA
89	09	17	49.7	40.324	S	173.312	E	233	D	4.9		0.9	42	COOK STRAIT, NEW ZEALAND. Felt at Wanganui, Palmerston North and Wellington, North Island; Christchurch, South Island.
89	09	41	02.2•	2.346	N	127.650	E	101	•	5.1		1.1	26	MOLUCCA PASSAGE
89	11	50	05.9&	60.098	N	153.066	W	130					23	SOUTHERN ALASKA. <AGS-P>.
89	11	54	30.9?	16.97	S	174.54	W	110	?	4.2		1.2	9	TONGA ISLANDS
89	12	08	15.7	12.656	N	44.435	W	10	G	5.0		0.8	87	NORTH ATLANTIC RIDGE
89	12	11	53.6	2.807	S	140.897	E	33		5.1		0.9	54	NEAR N. COAST OF WEST IRIAN
o 89	12	25	06.4	32.390	N	141.100	E	78		5.2		1.0	213	SOUTH OF HONSHU, JAPAN. Felt (III JMA) on Hachijo-jima. Felt (I JMA) at Tateyama.
89	12	34	58.6•	38.912	N	31.464	E	10	G			1.1	5	TURKEY
89	13	13	48.4	36.893	N	25.853	E	38		4.2		1.0	58	DODECANESE ISLANDS. ML 4.6 (ATH).
89	13	27	41.8•	54.988	N	168.127	W	33	N	4.4		1.2	24	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
o 89	13	49	28.2	54.256	N	167.864	W	33	N	5.2	5.5	1.1	127	FOX ISLANDS, ALEUTIAN ISLANDS. Ms 5.5 (BRK), 5.4 (PAS). Felt at Dutch Harbor and Unalaska.
89	14	01	19.5•	20.517	S	70.080	W	32	•			1.3	11	NEAR COAST OF NORTHERN CHILE
89	14	09	00.9•	54.225	N	168.160	W	33	N	4.6		1.0	14	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
89	14	16	57.0?	34.30	N	141.55	E	33	N	4.3		0.8	10	OFF EAST COAST OF HONSHU, JAPAN

.	14	32	11.4%	40.000	N	29.376	E	10	G		0.2	5	TURKEY
09	14	42	50.4•	0.855	N	126.076	E	33	N	4.9	1.0	13	MOLUCCA PASSAGE
09	16	47	51.8	8.073	S	80.111	W	33	N	4.9	1.2	32	OFF COAST OF NORTHERN PERU
09	16	54	34.0?	54.24	N	169.41	W	160	?	4.3	1.0	6	FOX ISLANDS, ALEUTIAN ISLANDS
09	17	37	53.3%	15.249	N	61.325	W	5	G		1.1	7	LEEWARD ISLANDS. ML 2.8 (FDF).
09	17	52	17.5•	6.084	S	130.530	E	151	•	3.9	1.3	15	BANDA SEA
09	18	15	08.17	33.41	S	72.24	W	11			0.4	11	OFF COAST OF CENTRAL CHILE
09	18	20	10.1•	33.881	S	71.882	W	12			0.6	16	NEAR COAST OF CENTRAL CHILE
09	18	52	23.2	25.996	S	177.476	W	147		4.4	0.6	23	SOUTH OF FIJI ISLANDS
09	18	56	19.8	33.292	S	71.238	W	23	•		0.6	11	NEAR COAST OF CENTRAL CHILE
09	19	13	48.3•	11.305	N	85.927	W	103	?		0.6	18	NICARAGUA
09	19	32	09.2•	21.302	S	67.631	W	191	•		1.1	10	CHILE-BOLIVIA BORDER REGION
09	19	57	12.5•	7.066	S	154.855	E	33	N	4.4	1.1	12	SOLOMON ISLANDS
09	20	13	48.1	4.694	S	28.871	E	10	G		1.4	9	LAKE TANGANYIKA REGION. MG 3.5 (BUL).
09	20	54	11.8•	22.361	S	179.662	W	524	?	4.9	0.9	25	SOUTH OF FIJI ISLANDS
09	21	36	23.6•	5.296	N	127.096	E	49	?	5.0	1.2	17	PHILIPPINE ISLANDS REGION
09	22	41	42.5&	34.118	N	117.770	W	5				24	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (IV) at Azusa, Claremont, Glendora, La Verne, Mt. Baldy and Pomona. Felt (III) at Guasti, Ontario and Upland.
09	23	49	15.3&	32.968	N	80.169	W	6				9	SOUTH CAROLINA. <GLD>. MD 2.2 (GLD). Felt (III) at Summerville.
09	23	54	09.8%	15.251	N	61.260	W	10	G		0.1	6	LEEWARD ISLANDS. ML 2.4 (FDF).
10	00	03	48.6%	15.256	N	61.321	W	10	G		0.4	11	LEEWARD ISLANDS. ML 3.0 (FDF). Felt on Dominica.
10	01	22	41.1	42.346	N	18.930	E	10	G		0.7	7	YUGOSLAVIA. ML 2.5 (TTG).
10	02	02	54.4?	27.54	N	112.29	W	10	G	4.1	1.1	5	BAJA CALIFORNIA
10	02	11	29.9•	36.532	N	71.265	E	200	?	4.2	0.7	20	AFGHANISTAN-USSR BORDER REGION
10	02	21	03.7•	42.349	N	18.963	E	10	G		0.3	5	YUGOSLAVIA. ML 2.4 (TTG).
10	03	05	39.0•	54.101	N	168.379	W	33	N	4.3	1.5	18	FOX ISLANDS, ALEUTIAN ISLANDS
10	03	08	40.1%	15.269	N	61.284	W	5	G		0.2	6	LEEWARD ISLANDS. ML 2.7 (FDF).
10	03	20	41.3•	62.250	N	124.367	W	10	G		0.6	5	NORTHWEST TERRITORIES, CANADA
10	03	57	00.2?	37.39	S	177.58	E	261	?	3.7	0.9	8	OFF E. COAST OF N. ISLAND, N.Z.
10	03	58	57.3?	17.08	N	61.23	W	10	G		0.4	5	LEEWARD ISLANDS. ML 2.9 (FDF).
10	04	09	19.1	5.412	N	127.450	E	66	•	5.1	1.1	44	PHILIPPINE ISLANDS REGION
10	05	53	45.5•	35.820	N	68.884	E	33	N	4.6	0.8	10	HINDU KUSH REGION
10	06	25	16.9%	46.897	N	8.987	E	10	G		0.6	6	FRANCE. ML 2.2 (LDG).
10	06	49	49.3•	14.179	N	92.568	W	33		4.4	1.1	23	NEAR COAST OF CHIAPAS, MEXICO
10	08	56	03.7&	60.184	N	153.101	W	145				48	SOUTHERN ALASKA. <AGS-P>.
10	08	59	56.1	51.493	N	6.742	E	10	G		1.1	8	GERMANY. ML 2.1 (BNS).
10	10	48	14.1•	5.362	N	125.418	E	33	N	5.0	1.4	25	MINDANAO, PHILIPPINE ISLANDS
10	11	16	20.2?	37.88	N	28.92	E	10	G		0.5	6	TURKEY
10	11	18	18.6%	39.394	N	27.670	E	10	G		0.6	7	TURKEY
10	11	21	11.4%	39.396	N	27.709	E	10	G		1.0	5	TURKEY
10	12	09	03.2	32.685	S	71.930	W	33	N	4.7	0.8	21	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Valparaiso and (II) at Santiago.
10	13	33	34.7•	51.028	N	15.720	E	10	G		1.1	8	POLAND. ML 3.4 (GRF), 3.2 (KBA).
10	13	50	44.9%	60.305	N	5.452	E	10	G		0.5	5	SOUTHERN NORWAY. MD 1.8 (BER).
10	13	57	14.9	10.858	S	66.419	E	10	G	4.9	0.7	24	MID-INDIAN RISE
10	14	50	17.2•	7.399	N	94.377	E	33	N	4.5	1.5	12	NICOBAR ISLANDS REGION
10	15	33	16.2&	34.488	N	119.888	W	18		4.4		46	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS), 4.0 (BRK). Felt (V) at Goleta and Summerland; (IV) at Los Olives, Santa Barbara, Santa Ynez, Solvang and Ventura; (II) at Oxnard. Also felt at Carpinteria and on offshore oil platforms.
10	16	02	22.8•	21.068	S	69.112	W	33	N		0.5	5	NORTHERN CHILE
10	16	03	55.6	39.831	N	13.587	E	453		4.9	1.0	189	TYRRHENIAN SEA
10	16	51	18.3?	31.60	S	70.19	W	33	N		0.6	5	CHILE-ARGENTINA BORDER REGION
10	19	54	35.2?	34.34	S	73.40	W	33	N		1.5	7	OFF COAST OF CENTRAL CHILE
10	21	09	08.7•	23.818	S	179.243	E	488	?	4.6	1.0	31	SOUTH OF FIJI ISLANDS
10	21	29	19.7•	20.541	S	67.814	W	202	?		1.0	8	SOUTHERN BOLIVIA
10	22	41	41.9?	38.50	S	71.09	W	33	N		0.5	9	NEAR COAST OF CENTRAL CHILE
11	00	05	10.0&	40.313	N	124.377	W	22				12	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.8 (BRK).
11	01	14	47.6•	35.783	N	22.426	E	33	N	4.2	1.2	23	MEDITERRANEAN SEA. ML 4.2 (ATH).
11	04	42	27.1•	6.451	S	129.970	E	124	?	4.9	1.4	12	BANDA SEA
11	04	50	17.5?	17.35	S	177.73	W	571	?	4.3	1.2	14	FIJI ISLANDS REGION
11	05	38	29.8	41.903	N	20.303	E	5	G	4.0	0.9	18	ALBANIA. ML 3.0 (TTG).
11	05	38	46.5•	63.934	N	152.483	W	33	N		1.3	5	CENTRAL ALASKA. ML 3.3 (PMR)
11	05	58	55.6•	40.326	N	124.156	W	10	G		0.5	8	NEAR COAST OF NORTHERN CALIF. ML 2.8 (BRK).
11	06	16	29.2•	44.704	N	7.135	E	10	G		0.3	5	NORTHERN ITALY. ML 2.5 (LDG).
11	07	14	59.5•	41.711	N	127.258	W	10	G	4.0	1.3	13	OFF COAST OF NORTHERN CALIFORNIA
11	07	23	21.1&	47.369	N	122.532	W	5				5	WASHINGTON. <SEA>. CL 2.0 (SEA). Felt (IV) at Dockton, (III) at Lakebay and (II) at Tacoma. Felt on Vashon Island.
11	07	46	37.0	44.370	N	7.337	E	14			1.0	41	NORTHERN ITALY. ML 3.4 (LDG).
11	08	10	13.3•	44.356	N	7.228	E	10	G		1.0	5	NORTHERN ITALY. ML 2.6 (LDG).
11	08	16	30.7?	42.53	N	73.70	E	33	N	4.7	0.9	15	KIRGHIZ SSR
11	08	59	07.2•	17.849	S	178.234	W	641	•	4.5	0.8	20	FIJI ISLANDS REGION
11	09	19	31.8	1.763	S	134.377	E	10	G	4.9	1.0	32	WEST IRIAN REGION
11	10	28	36.5•	41.160	N	24.444	E	10	G		0.6	6	GREECE-BULGARIA BORDER REGION
11	10	48	10.4&	45.940	N	122.416	W	15				7	WASHINGTON-OREGON BORDER REGION. <SEA>. CL 3.1 (SEA). Felt (V) at Ariel, (IV) at Cougar, (III) at Amboy and La Center, Washington.
11	13	04	54.1	53.181	N	35.449	W	10	G	4.7 4.5	1.0	52	NORTH ATLANTIC OCEAN
11	15	09	19.4	36.512	N	71.187	E	208	•	4.7	1.0	34	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog and Dushanbe, USSR.
11	15	34	37.9&	40.402	N	125.392	W	5	G			11	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
11	17	21	16.6	54.257	N	168.112	W	33	N	4.7	1.2	37	FOX ISLANDS, ALEUTIAN ISLANDS
11	17	37	12.2	5.487	S	151.352	E	71		4.9	1.2	36	NEW BRITAIN REGION
11	18	21	32.3?	6.09	S	147.05	E	137	?	3.9	0.2	6	EAST PAPUA NEW GUINEA REGION
11	18	23	45.3	23.982	N	122.381	E	33	N	4.6	1.2	19	TAIWAN REGION
11	19	48	51.2•	1.747	S	98.201	E	33	N	3.2	0.7	6	SOUTHWEST OF SUMATERA
11	22	11	17.5	13.711	N	144.854	E	121		5.0	1.2	73	MARIANA ISLANDS. Felt (III) on Guam.
11	22	24	43.5&	60.253	N	144.378	W	30				36	SOUTHERN ALASKA. <AGS-P>.
11	22	40	36.9	40.429	N	51.647	E	33	N	4.4	0.7	26	CASPIAN SEA

o	11	23	07	38.2	36.482	N	70.668	E	206	D	5.3	0.9	261	HINDU KUSH REGION. Felt (IV) at Ishkashim; (III) at Khorog and in southwestern Tajikistan; (II) at Dzhirgatal and Samarkand, USSR. Also felt at Kabul, Afghanistan.
	11	23	18	28.4&	59.545	N	152.762	W	77				18	SOUTHERN ALASKA. <AGS-P>.
	12	00	38	58.7	43.234	N	26.950	E	10	G		1.4	6	BULGARIA
	12	00	39	19.8•	23.484	S	67.076	W	33	N		0.8	5	CHILE-ARGENTINA BORDER REGION
	12	01	03	57.4	2.488	S	120.454	E	88	•	5.0	1.5	37	SULAWESI
	12	01	16	18.3•	2.689	S	120.322	E	33	N	4.6	1.4	12	SULAWESI
	12	02	48	03.9	64.882	N	149.197	W	33	N		1.0	11	CENTRAL ALASKA. ML 3.7 (PMR).
	12	04	03	03.3•	29.281	S	71.750	W	33	N		1.3	18	NEAR COAST OF CENTRAL CHILE
	12	04	09	42.1•	54.112	N	168.340	W	33	N	4.7	1.8	17	FOX ISLANDS, ALEUTIAN ISLANDS
	12	04	58	44.4?	9.88	S	123.97	E	97	?		1.0	7	TIMOR
	12	05	36	32.8•	62.180	N	124.336	W	10	G	3.9	1.0	8	NORTHWEST TERRITORIES, CANADA
	12	06	41	25.9•	29.738	N	141.879	E	33	N	4.4	0.6	10	SOUTH OF HONSHU, JAPAN
	12	06	44	45.8%	39.175	N	26.219	E	10	G		0.9	6	TURKEY
	12	07	13	03.6?	33.20	S	71.78	W	33	N		1.5	11	NEAR COAST OF CENTRAL CHILE
	12	07	33	19.2	37.118	N	140.038	E	24		4.2	0.9	19	HONSHU, JAPAN. Felt (I JMA) at Mito.
	12	08	31	56.4•	33.327	N	141.002	E	33	N	4.8	0.4	8	OFF EAST COAST OF HONSHU, JAPAN
	12	11	39	16.7•	39.688	N	40.203	E	10	G	4.4	1.0	7	TURKEY
	12	12	42	35.1	44.771	N	112.812	W	5	G		0.4	7	EASTERN IDAHO. ML 2.6 (NEIS).
	12	13	15	01.2&	61.685	N	151.072	W	75				28	SOUTHERN ALASKA. <AGS-P>.
	12	13	20	28.4%	60.721	N	5.565	E	10	G		0.7	6	SOUTHERN NORWAY. MD 2.1 (BER).
	12	13	45	27.6•	9.477	N	93.143	E	33	N	4.6	1.0	11	NICOBAR ISLANDS REGION
	12	13	54	07.0	6.074	S	147.156	E	112		5.1	1.2	61	EAST PAPUA NEW GUINEA REGION
	12	14	06	23.5•	15.119	S	173.324	W	33	N	5.0 4.7	1.3	29	TONGA ISLANDS
	12	14	41	35.2•	17.638	S	72.538	W	33	N	5.0	1.1	9	NEAR COAST OF PERU
	12	14	43	43.8	7.292	N	123.844	E	599		4.5	1.0	28	MINDANAO, PHILIPPINE ISLANDS
	12	16	16	59.1	12.539	N	125.316	E	33	N	5.0 4.2	1.3	50	SAMAR, PHILIPPINE ISLANDS
	12	16	32	56.0&	47.470	N	115.800	W	1				1	MONTANA. <SPEC>. ML 2.0 (NEIS). Rockburst in the Lucky Friday mine near Mullan, Idaho. One person killed and two injured.
	12	16	35	47.6%	15.369	N	61.272	W	10	G		0.3	5	LEEWARD ISLANDS. ML 2.3 (FDF).
	12	16	57	45.1•	5.876	S	103.363	E	33	N	4.8	1.0	22	SOUTHERN SUMATERA
	12	17	25	11.1•	24.736	S	179.716	W	537	?	4.7	0.9	26	SOUTH OF FIJI ISLANDS
	12	20	02	30.1•	36.565	N	70.953	E	204	?	4.6	1.1	45	HINDU KUSH REGION
	12	20	27	47.8?	50.93	N	14.61	E	10	G		1.6	7	CZECHOSLOVAKIA. ML 3.0 (VKA).
	12	21	16	11.8	29.187	S	71.294	W	33	N	5.2	1.1	22	NEAR COAST OF CENTRAL CHILE
	12	21	26	27.4	28.234	N	140.529	E	33	N	4.7	0.6	9	BONIN ISLANDS REGION
	12	21	34	21.9	18.294	N	62.947	W	33	N		0.9	17	LEEWARD ISLANDS. ML 4.0 (FDF). Felt on St. Martin.
	12	21	45	11.1?	42.84	N	18.34	E	10	G		0.3	6	YUGOSLAVIA. MD 2.0 (TTG).
o	12	22	04	19.8	24.112	S	66.883	W	206	D	5.3	1.2	157	SALTA PROVINCE, ARGENTINA
	12	22	27	49.4%	40.818	N	27.984	E	10	G		1.1	8	TURKEY
	12	22	35	19.1•	24.032	S	66.981	W	206			1.2	9	SALTA PROVINCE, ARGENTINA
	13	02	29	31.3•	33.229	N	83.226	W	5	G		0.6	9	GEORGIA. MD 2.4 (ATL). Felt (IV) at Milledgeville, (III) at Haddock and Eatonton.
	13	02	46	23.4	18.131	N	119.969	E	49		5.0 4.0	1.0	87	PHILIPPINE ISLANDS REGION
	13	03	27	22.0&	62.190	N	149.571	W	51				39	CENTRAL ALASKA. <AGS-P>.
	13	03	35	34.4•	24.018	S	66.883	W	217			0.6	10	SALTA PROVINCE, ARGENTINA
o	13	05	36	28.8	7.059	S	155.616	E	66		5.7	1.1	247	SOLOMON ISLANDS. Ms 6.0 (BRK), 5.9 (PAS). Felt (V) on Shortland Island and at Arawa and Panguna, Bougainville.
	13	07	39	06.0•	12.493	N	125.362	E	33	N	4.7	0.9	9	SAMAR, PHILIPPINE ISLANDS
	13	07	53	29.6•	10.451	S	119.123	E	33	N	4.4	1.5	12	SUMBA ISLAND REGION
	13	08	36	59.4	36.309	N	120.312	W	10	G		1.0	13	CENTRAL CALIFORNIA. ML 2.7 (BRK).
o	13	08	41	21.4	26.203	N	100.095	E	29		5.4 4.6	1.0	153	YUNNAN PROVINCE, CHINA
	13	08	59	54.4•	12.117	N	125.949	E	33	N	5.1	1.2	15	SAMAR, PHILIPPINE ISLANDS
	13	09	11	58.3•	32.534	S	179.134	W	33	N	4.5	1.0	9	SOUTH OF KERMADEC ISLANDS
	13	10	09	25.8?	35.88	N	141.67	E	33	N		0.5	7	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Choshi.
	13	10	18	39.0•	6.063	S	146.005	E	160	?	3.3	0.8	7	EAST PAPUA NEW GUINEA REGION
	13	10	28	54.5%	47.024	N	5.577	E	10	G		1.4	9	FRANCE. ML 2.5 (LDG).
	13	10	36	40.3•	29.754	S	175.137	W	33	N	4.9	1.3	27	KERMADEC ISLANDS REGION
	13	11	11	16.9%	39.613	N	27.879	E	10	G		0.9	9	TURKEY
	13	12	25	01.8?	17.61	S	71.89	W	33	N		1.1	6	NEAR COAST OF PERU
	13	12	26	21.9•	41.756	N	19.583	E	10	G		1.0	6	ALBANIA. ML 2.5 (TTG).
	13	12	35	08.6•	2.807	S	140.169	E	33	N	4.7	1.5	27	NEAR N. COAST OF WEST IRIAN
	13	12	52	56.4•	36.185	N	7.170	W	10	G		1.4	5	STRAIT OF GIBRALTAR
	13	13	16	38.6?	51.65	N	172.65	W	33	N	4.2	1.7	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	13	13	25	12.7&	58.999	N	153.930	W	122				30	KODIAK ISLAND REGION. <AGS-P>.
	13	14	36	28.4•	1.855	N	127.007	E	95	•	5.0	0.9	20	HALMAHERA
	13	18	25	13.3?	33.67	S	72.32	W	33	N		0.5	10	OFF COAST OF CENTRAL CHILE
	13	18	55	28.8&	59.987	N	153.025	W	111				21	SOUTHERN ALASKA. <AGS-P>.
	13	19	07	26.9•	0.020	N	126.555	E	33	N	4.1	1.2	8	MOLUCCA PASSAGE
	13	19	27	33.6•	24.338	N	124.522	E	33	N	4.2	1.3	12	SOUTHWESTERN RYUKYU ISLANDS. Felt (II JMA) on Ishigaki-shima and (I JMA) on Iriomote-jima.
	13	21	34	10.7?	67.51	N	161.89	W	33	N		1.3	6	ALASKA. ML 3.2 (PMR).
	13	23	15	57.2	39.318	N	22.871	E	10	G		0.7	7	GREECE. ML 3.0 (ATH).
	14	00	49	45.7•	21.280	S	68.536	W	138	•		1.4	9	CHILE-BOLIVIA BORDER REGION
	14	01	13	13.5•	15.678	N	92.801	W	165	?	4.2	1.2	12	MEXICO-GUATEMALA BORDER REGION
	14	01	49	02.3	11.240	N	140.318	E	59	•	5.0	0.9	30	WEST CAROLINE ISLANDS
	14	02	54	22.0%	59.826	N	7.079	E	10	G		0.6	5	SOUTHERN NORWAY. MD 2.2 (BER).
	14	03	11	42.7•	38.438	N	74.875	E	33	N	4.6	1.5	18	TAJIK-XINJIANG BORDER REGION
	14	03	20	27.9•	67.425	N	161.738	W	33	N		0.6	5	ALASKA. ML 3.1 (PMR).
o	14	04	15	58.5	10.687	S	27.640	E	10	G	5.3 4.8	0.9	88	ZAIRE REPUBLIC
	14	05	50	59.7?	11.45	N	140.80	E	33	N		0.2	5	WEST CAROLINE ISLANDS
	14	06	26	28.6•	21.343	S	174.675	W	152	?	4.4	0.7	14	TONGA ISLANDS
	14	06	35	24.3?	18.58	S	169.17	E	249	•	4.7	0.4	6	VANUATU ISLANDS
	14	07	47	37.7	28.317	N	140.581	E	33	N	4.6	1.2	36	BONIN ISLANDS REGION
o	14	08	42	15.2	43.995	N	147.627	E	82		5.7	1.2	270	KURIL ISLANDS. Felt (V) on Shikotan. Also felt (II JMA) at Nemuro and Kushiro and (I JMA) at Obihiro, Hokkaido.
	14	09	28	40.6•	34.438	N	61.620	W	10	G	4.8	1.2	34	NORTH ATLANTIC OCEAN
	14	09	39	19.6•	21.071	S	68.886	W	168	•		0.7	9	CHILE-BOLIVIA BORDER REGION

	14	09	43	12.6&	61.710	N	151.452	W	80			35	SOUTHERN ALASKA. <AGS-P>.
	14	09	50	58.2	42.329	N	18.901	E	10 G		1.5	8	YUGOSLAVIA. ML 2.8 (TTG).
	14	09	55	46.1•	42.974	N	20.507	E	10 G		1.5	7	YUGOSLAVIA. ML 3.0 (TTG).
o	14	10	30	50.3•	46.975	S	12.953	W	10 G	5.4 5.0	1.4	49	SOUTH ATLANTIC RIDGE
	14	11	27	08.1	52.547	N	179.859	W	221	4.8	1.0	90	ANDREANOF ISLANDS, ALEUTIAN IS.
	14	11	41	14.0•	3.133	N	126.475	E	33 N	5.0	1.3	22	TALAUD ISLANDS
	14	12	20	50.9&	60.355	N	152.646	W	76	3.7		50	SOUTHERN ALASKA. <AGS-P>.
	14	12	32	14.1•	47.954	N	7.720	E	10 G		0.4	6	SWITZERLAND. ML 2.4 (LDG).
	14	13	48	09.6?	46.26	N	24.27	E	33 N		1.0	5	ROMANIA
	14	14	35	44.7•	40.152	N	29.591	E	10 G		0.7	6	TURKEY
	14	16	05	13.7•	5.332	S	154.372	E	232	4.8	0.9	28	SOLOMON ISLANDS
	14	16	54	04.0?	28.77	S	113.45	E	10 G		0.5	5	WESTERN AUSTRALIA
o	14	16	55	52.9	30.070	S	176.559	W	42	5.4 6.1	1.1	238	KERMADEC ISLANDS REGION. Ms 6.4 (BRK), 5.9 (PAS). Felt on Raoul.
	14	17	14	33.7•	30.318	S	177.178	W	33 N	4.7	0.5	7	KERMADEC ISLANDS
	14	17	35	16.8&	37.613	N	118.927	W	5			18	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).
	14	17	36	37.8&	60.177	N	151.147	W	65			31	KENAI PENINSULA, ALASKA. <AGS-P>.
	14	19	41	57.7&	38.989	N	27.319	E	10 G		1.5	6	TURKEY
o	14	21	28	27.3	54.753	S	23.833	W	33 N	5.5 4.7	0.8	50	SOUTH SANDWICH ISLANDS REGION
	14	22	22	48.4•	4.231	S	143.190	E	105 •	3.9	1.1	9	PAPUA NEW GUINEA
	14	23	11	55.5	15.182	N	61.254	W	10 G		0.6	8	LEEWARD ISLANDS. ML 2.4 (FDF).
	14	23	21	25.3	15.193	N	61.261	W	10 G		0.3	8	LEEWARD ISLANDS. ML 2.6 (FDF).
	14	23	31	02.5&	39.149	N	28.457	E	10 G		1.0	5	TURKEY
	14	23	52	38.3?	31.82	S	178.21	W	33 N	4.8	0.9	5	KERMADEC ISLANDS REGION
	15	00	41	46.7•	8.935	N	126.678	E	59 •	4.7	1.1	21	MINDANAO, PHILIPPINE ISLANDS
	15	01	05	48.6•	24.736	N	123.108	E	33 N	4.5	1.1	7	SOUTHWESTERN RYUKYU ISLANDS
	15	01	06	17.4?	27.26	N	58.04	E	33 N	4.3	1.3	8	SOUTHERN IRAN
	15	02	23	52.9?	16.39	N	62.34	W	33 N		0.4	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	15	02	27	51.9•	62.408	N	124.183	W	10 G		0.2	5	NORTHWEST TERRITORIES, CANADA
	15	02	34	12.8&	62.613	N	151.232	W	87	3.9		50	CENTRAL ALASKA. <AGS-P>.
	15	03	06	45.9•	2.553	S	120.486	E	33 N	4.5	1.4	16	SULAWESI
	15	03	11	56.9&	31.840	N	115.790	W	6 G			8	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	15	04	14	23.6&	39.301	N	27.206	E	10 G		0.3	5	TURKEY
	15	04	29	16.3•	2.582	S	139.594	E	33 N	4.9	1.1	22	NEAR N. COAST OF WEST IRIAN
	15	04	40	12.0	15.225	N	61.211	W	10 G		0.2	11	LEEWARD ISLANDS. ML 3.0 (FDF).
o	15	05	01	24.6	17.429	S	178.865	W	572	5.2	1.0	76	FIJI ISLANDS REGION
	15	05	15	00.8?	29.22	S	177.95	W	33 N	4.8	1.5	9	KERMADEC ISLANDS
	15	07	15	07.6•	54.027	N	168.305	W	33 N	4.3	1.3	13	FOX ISLANDS, ALEUTIAN ISLANDS
	15	07	34	29.8&	59.052	N	150.871	W	62			34	KENAI PENINSULA, ALASKA. <AGS-P>.
	15	07	59	38.0	32.371	N	46.950	E	33 N	4.8	0.7	37	IRAN-IRAQ BORDER REGION
	15	08	46	56.4	41.130	N	20.101	E	10 G	5.1	1.4	67	ALBANIA. MD 4.3 (TTG). Felt (IV) at Ohrid and (III) at Skopje, Yugoslavia. Also felt in southwestern Macedonia.
o	15	11	29	44.3	18.909	S	67.391	W	243 D	5.6	1.0	245	BOLIVIA. mb 6.0 (PAS). Felt (IV) at Tacna, Peru and Arica, Chile. Felt (III) at Cochabamba, Bolivia. Also felt (III) at Arequipa and Moquegua, Peru.
	15	11	54	33.0•	33.899	S	72.302	W	33 N		1.2	14	OFF COAST OF CENTRAL CHILE
	15	14	24	07.8	42.329	N	19.945	E	10 G		1.3	10	YUGOSLAVIA. MD 2.9 (TTG).
	15	14	57	59.2	32.121	S	69.803	W	115 ?		0.8	14	MENDOZA PROVINCE, ARGENTINA
	15	15	06	55.7	6.792	S	144.852	E	33 N	3.5	1.2	9	PAPUA NEW GUINEA
	15	15	20	58.2•	29.952	N	50.368	E	33 N	4.3	1.2	13	SOUTHERN IRAN
	15	15	59	59.2•	32.227	N	137.539	E	384	4.7	0.4	15	SOUTH OF HONSHU, JAPAN
	15	17	32	05.8•	3.511	N	128.351	E	33 N	4.2	1.1	9	NORTH OF HALMAHERA
	15	18	30	03.1•	43.172	N	26.083	E	10 G		1.4	7	BULGARIA
o	15	18	32	10.7	55.931	S	27.429	W	90 D	5.9	0.9	131	SOUTH SANDWICH ISLANDS REGION
	15	18	47	26.8•	24.871	N	122.909	E	33 N	4.1	1.4	6	TAIWAN REGION
	15	20	48	07.5•	67.350	N	161.696	W	33 N		0.6	9	ALASKA. ML 3.7 (PMR).
	15	22	32	24.9?	30.77	S	177.33	W	200 ?	4.3	1.4	9	KERMADEC ISLANDS
	16	00	04	00.2•	41.874	N	19.152	E	10 G		1.0	8	ALBANIA. MG 3.2 (LJU).
	16	00	04	11.1?	33.85	S	72.17	W	33 N		0.6	11	OFF COAST OF CENTRAL CHILE
	16	01	04	01.0	42.014	N	19.388	E	10 G		0.6	9	YUGOSLAVIA. MD 3.2 (TTG).
	16	01	05	19.2?	37.07	N	21.83	E	33 N	3.6	1.3	5	SOUTHERN GREECE
	16	01	45	45.3&	34.150	N	117.310	W	5			11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt in the San Bernardino area.
	16	01	53	08.6	41.378	S	144.614	E	10 G	4.0	0.9	14	TASMANIA REGION. ML 4.0 (TOO), 4.0 (BFO).
	16	02	39	17.8	24.788	N	122.888	E	33 N	4.9	1.0	21	TAIWAN REGION
	16	03	50	59.9&	42.004	N	19.421	E	10 G		0.4	9	YUGOSLAVIA. MD 2.5 (TTG).
	16	05	21	58.0•	16.789	N	61.261	W	33 N		0.2	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	16	05	59	30.4•	42.391	N	142.938	E	33 N	4.6	1.1	19	HOKKAIDO, JAPAN REGION
	16	06	34	48.4?	11.04	S	163.67	E	33 N	4.4	1.4	6	SOLOMON ISLANDS
	16	06	51	58.0•	17.887	N	62.264	W	10 G		1.0	12	LEEWARD ISLANDS. ML 4.1 (FDF).
	16	06	53	48.5•	31.370	S	68.154	W	33 N		1.4	5	SAN JUAN PROVINCE, ARGENTINA
	16	07	01	17.6	31.250	S	68.386	W	114 •	4.6	1.0	18	SAN JUAN PROVINCE, ARGENTINA
	16	07	02	14.6?	16.95	N	62.21	W	10 G		0.6 •	6	LEEWARD ISLANDS. ML 3.5 (FDF).
	16	07	28	42.5	8.375	S	119.744	E	198 •	4.9	1.2	37	FLORES ISLAND REGION
	16	08	27	18.8?	4.50	N	97.16	E	158 ?		0.8	5	NORTHERN SUMATERA
	16	09	36	37.5•	32.891	S	71.799	W	33 N		1.4	13	NEAR COAST OF CENTRAL CHILE
	16	10	33	35.9?	17.19	N	62.15	W	33 N		0.5	6	LEEWARD ISLANDS. ML 3.2 (FDF).
	16	10	51	20.7•	32.340	N	69.340	E	33 N	4.3	1.3	13	PAKISTAN
	16	11	19	38.3•	29.721	N	52.443	E	33 N	4.3	1.0	23	SOUTHERN IRAN
	16	11	54	49.8	51.583	N	16.280	E	10 G		0.7	14	POLAND. ML 4.0 (GRF).
	16	12	26	57.0?	30.41	S	175.65	W	33 N	4.9	1.4	9	KERMADEC ISLANDS REGION
	16	14	24	07.9•	42.337	N	19.939	E	10 G		0.5	6	YUGOSLAVIA. MD 2.8 (ULC).
	16	14	24	18.0	46.868	N	154.018	E	33 N	5.1	0.9	91	KURIL ISLANDS REGION
	16	14	35	35.8	42.029	N	20.062	E	10 G		1.0	9	YUGOSLAVIA. MD 2.8 (TTG).
	16	15	09	04.8	24.823	N	122.952	E	33 N	4.7	1.3	23	TAIWAN REGION
	16	15	48	47.7	40.334	N	51.721	E	33 N	4.5 4.2	0.7	44	CASPIAN SEA
	16	16	27	41.7	4.420	N	123.199	E	568 •	4.8	1.0	24	CELEBES SEA
	16	17	37	49.4?	39.88	N	22.15	E	5 G		0.7	5	GREECE
	16	18	45	15.0	45.754	N	26.976	E	138	3.5	1.1	24	ROMANIA
	16	20	57	07.4•	4.930	S	151.859	E	126 •	4.3	1.3	8	NEW BRITAIN REGION
	16	21	41	45.3	12.270	S	121.827	E	33 N	4.7	1.4	17	SOUTH OF TIMOR
	16	22	07	12.9&	31.931	N	116.224	W	8 G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.3 (ECX).

	16	22 45 36.9	36.110 N	31.921 E	10 G			1.0	9	TURKEY. ML 3.4 (CSS).
	16	23 00 08.5*	46.982 N	154.020 E	33 N	4.9		0.7	10	KURIL ISLANDS REGION
	17	00 57 32.97	28.05 N	140.65 E	33 N	4.6		1.7	6	BONIN ISLANDS REGION
	17	03 45 33.3%	42.351 N	18.957 E	10 G			0.4	5	YUGOSLAVIA. MD 2.2 (TTG).
	17	04 48 48.8*	51.245 N	15.655 E	10 G			1.5	10	POLAND. MG 2.9 (KRA).
	17	05 37 16.97	35.48 N	138.84 E	33 N			1.7	6	HONSHU, JAPAN
	17	06 03 24.7*	36.555 N	71.548 E	78 ?	4.5		1.0	22	AFGHANISTAN-USSR BORDER REGION
	17	06 15 09.1*	10.555 N	84.893 W	33 N			1.3	9	COSTA RICA. MD 4.3 (MDC).
	17	07 12 15.6*	24.854 N	122.896 E	33 N	4.7		1.3	17	TAIWAN REGION
	17	08 48 41.5*	35.887 N	34.487 W	10 G	4.5	4.2	0.9	14	AZORES ISLANDS REGION
o	17	09 18 25.2	27.421 N	139.866 E	476	5.5		0.8	200	BONIN ISLANDS REGION
	17	11 19 27.57	43.45 N	19.47 E	10 G			1.5	9	YUGOSLAVIA. MD 3.2 (TTG). Felt at Priboj.
	17	11 27 32.07	43.48 N	19.64 E	10 G			1.0	6	YUGOSLAVIA. ML 2.7 (TTG).
	17	12 29 33.7&	60.299 N	140.678 W	4				10	SOUTHEASTERN ALASKA. <AGS-P>.
	17	12 40 07.2	6.188 S	130.241 E	174	5.1		1.0	66	BANDA SEA
	17	13 50 04.0*	9.811 N	93.025 E	33 N	4.2		1.0	10	NICOBAR ISLANDS REGION
	17	13 54 39.5&	61.693 N	151.834 W	103				20	SOUTHERN ALASKA. <AGS-P>.
	17	16 20 37.1*	36.497 N	70.126 E	148 ?	4.2		0.7	8	HINDU KUSH REGION
	17	17 58 06.5	41.937 N	20.378 E	10 G			1.1	7	ALBANIA. ML 2.4 (TTG).
	17	18 15 38.7	11.139 N	138.741 E	56 *	5.2		1.2	47	WEST CAROLINE ISLANDS
	17	20 29 57.87	44.08 S	82.37 W	10 G	4.8		1.6	14	WEST CHILE RISE
	18	00 55 26.7	31.590 S	68.528 W	116	4.4		1.0	27	SAN JUAN PROVINCE, ARGENTINA
	18	01 13 49.3	38.888 N	8.472 W	10 G			0.9	6	PORTUGAL. MG 3.4 (MDD). Felt (III).
	18	01 22 37.6	26.713 N	103.112 E	33 N	4.6		0.9	30	YUNNAN PROVINCE, CHINA
	18	01 46 48.2*	28.023 N	140.920 E	33 N	4.6		1.5	20	BONIN ISLANDS REGION
	18	04 10 51.17	50.22 N	19.24 E	10 G			1.6	5	POLAND. ML 2.7 (KRA).
	18	06 47 19.9*	13.581 S	75.794 W	171 *			1.4	9	PERU
	18	07 00 12.1*	15.206 N	61.279 W	10 G			1.1	7	LEEWARD ISLANDS. ML 2.2 (FDF).
	18	07 00 47.3	31.035 N	138.220 E	410	4.7		0.7	67	SOUTH OF HONSHU, JAPAN
	18	08 08 32.9*	64.029 N	126.978 W	10 G			1.1	5	NORTHWEST TERRITORIES, CANADA
	18	09 13 30.9	24.741 N	123.075 E	33 N	4.8		1.4	20	SOUTHWESTERN RYUKYU ISLANDS
	18	09 17 37.6*	19.697 S	174.480 W	33 N	4.7		1.0	10	TONGA ISLANDS
	18	09 25 38.7%	39.418 N	27.919 E	10 G			0.5	5	TURKEY
	18	09 56 46.27	41.26 S	91.21 W	10 G	4.8	4.5	1.0	13	SOUTHERN PACIFIC OCEAN
	18	10 02 30.9*	15.884 S	72.229 W	122	4.7		1.3	29	SOUTHERN PERU
	18	10 35 44.8%	39.634 N	29.422 E	10 G			1.1	6	TURKEY
	18	11 01 07.7%	39.132 N	27.622 E	10 G			0.3	5	TURKEY
	18	11 14 27.8	17.700 N	101.150 W	63	4.6		1.1	52	NEAR COAST OF GUERRERO, MEXICO
	18	13 50 27.17	19.78 N	97.69 W	33 N			1.4	6	VERA CRUZ, MEXICO
	18	14 39 51.07	60.37 N	5.91 E	10 G			1.1	4	SOUTHERN NORWAY. MD 1.7 (BER).
	18	14 52 27.2*	24.764 S	178.727 W	431 ?	4.7		0.8	23	SOUTH OF FIJI ISLANDS
	18	14 58 48.5*	5.280 S	152.079 E	33 N	3.8		1.5	7	NEW BRITAIN REGION
	18	15 30 40.8*	43.017 N	1.967 W	10 G			0.6	9	PYRENEES. ML 2.8 (LDG).
	18	15 48 50.27	6 .79 N	159.16 W	33 N			0.4	5	ALASKA. ML 3.2 (PMR).
	18	16 02 02.9*	42.922 N	1.885 W	10 G			0.6	8	PYRENEES. ML 2.8 (LDG).
	18	16 12 30.2*	54.028 N	168.070 W	33 N	4.7		1.2	14	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR). Felt (III) at Unalaska.
	18	16 51 05.4*	3.541 N	126.823 E	33 N	4.6		1.3	9	TALAUD ISLANDS
	18	17 43 29.7*	38.855 N	8.522 W	10 G			1.4	5	SPAIN. MG 3.3 (MDD). Felt (III).
	18	18 45 01.1*	54.086 N	168.075 W	33 N	4.6		0.9	17	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
	18	20 49 25.2*	21.169 S	66.803 W	210 ?			0.4	8	SOUTHERN BOLIVIA
	18	21 45 41.37	45.79 N	10.15 E	10 G			0.6	5	NORTHERN ITALY
	18	23 25 16.6&	56.974 N	154.295 W	86	4.7			61	KODIAK ISLAND REGION. <AGS-P>.
	18	23 53 36.1	44.621 N	111.006 W	5 G			0.4	7	HEBGEN LAKE REGION. ML 3.1 (NEIS).
	18	23 54 04.1*	38.768 N	26.483 E	10 G			1.0	9	AEGEAN SEA
	19	03 00 19.3	24.748 N	122.915 E	33 N	5.0	4.7	0.9	33	TAIWAN REGION
	19	04 38 35.3	48.191 N	7.394 E	10 G			1.2	11	FRANCE. ML 2.5 (LDG).
	19	06 25 20.4*	18.050 N	142.478 E	33 N	4.9		0.5	13	SOUTH OF MARIANA ISLANDS
	19	07 22 21.9*	38.889 N	26.610 E	10 G			1.3	11	AEGEAN SEA
	19	08 22 27.97	34.32 S	71.12 W	33 N			0.1	6	NEAR COAST OF CENTRAL CHILE
	19	08 50 07.7	43.938 N	128.422 W	10 G	4.8	4.7	1.1	82	OFF COAST OF OREGON
	19	09 08 28.0*	12.399 N	141.712 E	46 *	5.0		1.1	22	SOUTH OF MARIANA ISLANDS
	19	09 27 38.2	37.502 N	118.587 W	5 G			0.7	22	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (NEIS), 3.2 (PAS), 3.1 (BRK). Felt (III) at Auberry and Miramonte, California.
	19	09 29 08.9	63.285 N	150.693 W	143 *			0.6	10	CENTRAL ALASKA
	19	09 46 45.3*	20.232 S	173.926 W	33 N	4.6		1.6	13	TONGA ISLANDS
	19	09 59 50.6%	60.744 N	5.552 E	10 G			1.0	5	SOUTHERN NORWAY. MD 1.8 (BER).
	19	12 06 23.2*	30.164 S	71.611 W	33 N			1.0	9	NEAR COAST OF CENTRAL CHILE
	19	13 31 25.87	31.73 S	68.12 W	33 N			1.0	8	SAN JUAN PROVINCE, ARGENTINA
	19	14 16 27.3	21.566 N	143.223 E	314	4.5		0.9	49	MARIANA ISLANDS REGION
	19	14 43 49.9%	39.580 N	29.477 E	10 G			1.3	8	TURKEY
	19	15 29 11.5	37.576 N	26.923 E	18	4.3		1.1	80	DODECANESE ISLANDS. ML 4.3 (ATH).
	19	15 50 28.5%	15.771 N	61.338 W	33 N			1.2	6	LEEWARD ISLANDS. ML 1.9 (FDF).
	19	15 58 03.3*	51.598 N	6.782 E	10 G			0.4	5	GERMANY
	19	16 24 31.5*	35.571 N	31.168 E	33 N	4.3		1.5	53	CYPRUS
	19	16 47 27.2	37.572 N	26.874 E	10 G	4.6		1.1	22	DODECANESE ISLANDS. ML 3.8 (ATH).
	19	17 42 14.4*	6.888 S	129.637 E	33 N	5.3		1.0	14	BANDA SEA
	19	18 28 50.3	52.168 N	174.060 E	33 N	4.8		0.8	48	NEAR ISLANDS, ALEUTIAN ISLANDS
	19	19 43 15.4*	12.368 N	141.690 E	33 N	4.7		1.0	9	SOUTH OF MARIANA ISLANDS
	19	19 44 48.5*	31.221 S	68.386 W	100 *			1.1	11	SAN JUAN PROVINCE, ARGENTINA
	19	20 53 50.87	51.51 N	8.78 E	10 G			1.4	7	GERMANY. mbLg 2.2 (DOU).
	19	21 20 58.4&	59.814 N	152.502 W	87				28	SOUTHERN ALASKA. <AGS-P>.
o	19	21 28 01.9	12.413 N	141.762 E	43	5.4	5.0	1.1	140	SOUTH OF MARIANA ISLANDS
	19	21 35 18.2*	24.779 N	122.950 E	33 N	4.7		0.9	9	TAIWAN REGION
	19	22 12 40.2	39.096 N	20.332 E	33 N	3.5		1.3	21	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH).
	19	23 04 52.3*	36.448 N	7.603 W	33 N			0.7	7	STRAIT OF GIBRALTAR
	19	23 37 10.2	14.767 N	93.819 W	35 *	4.5		1.2	34	NEAR COAST OF CHIAPAS, MEXICO
	20	00 28 55.3*	12.356 N	141.633 E	33 N	4.7		1.3	11	SOUTH OF MARIANA ISLANDS
	20	00 43 26.6	17.110 S	65.397 W	52 *	4.9		1.5	52	BOLIVIA. Felt (II) at Cochabamba. Also felt at Oruro.
	20	02 31 59.5*	52.053 S	4.913 W	10 G	4.8	4.9	1.0	20	SOUTH ATLANTIC RIDGE
	20	03 33 37.0	42.362 N	19.952 E	10 G			0.4	8	YUGOSLAVIA. ML 2.3 (TTG).
	20	03 47 35.5&	62.793 N	149.782 W	59				31	CENTRAL ALASKA. <AGS-P>.

	20	06	49	40.2&	33.790	N	118.310	W	10			12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt at Carson, Downey, Gardena and Long Beach.
	20	09	46	27.4%	39.225	N	28.132	E	10 G		1.3	10	TURKEY
	20	09	46	35.1?	54.64	N	159.24	E	33 N	4.8	1.3	10	NEAR EAST COAST OF KAMCHATKA
	20	10	34	32.4	32.787	S	69.819	W	124 ?		0.6	13	MENDOZA PROVINCE, ARGENTINA
	20	11	40	17.3•	17.402	S	167.288	E	24 •	4.7	1.5	49	VANUATU ISLANDS
	20	13	25	57.9•	38.724	N	4.040	W	10 G		0.9	6	SPAIN
	20	14	06	48.5?	44.58	S	81.24	W	10 G		0.4	6	WEST CHILE RISE
	20	14	06	58.6•	3.438	S	139.016	E	33 N	4.1	1.4	8	WEST IRIAN
	20	15	47	16.3•	30.684	S	71.874	W	33 N	4.7	1.0	21	NEAR COAST OF CENTRAL CHILE
	20	16	17	35.5&	60.118	N	153.281	W	143			29	SOUTHERN ALASKA. <AGS-P>.
	20	17	57	27.0	39.870	N	29.557	E	10 G		0.9	22	TURKEY
	20	19	10	27.8	56.008	S	27.614	W	112 ?	5.1	0.7	27	SOUTH SANDWICH ISLANDS REGION
	20	19	40	08.8	54.262	N	168.187	W	33 N	4.8 4.3	1.3	43	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PWR). Felt at Unalaska.
	20	19	49	04.0?	42.53	S	145.29	E	10 G		1.2	6	TASMANIA REGION
	20	20	45	24.6	45.551	N	9.484	E	10 G		1.4	12	NORTHERN ITALY. ML 2.4 (KBA).
	20	20	55	16.0%	16.719	N	60.713	W	33 N		0.3	9	LEEWARD ISLANDS. ML 4.0 (FDF).
	20	21	00	21.7	6.105	S	105.339	E	33 N	5.1	1.5	68	SUNDA STRAIT
	20	22	41	37.9&	40.948	N	123.622	W	5 G			5	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	20	22	43	00.8&	40.958	N	123.647	W	5 G			6	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	20	22	43	13.6&	41.000	N	123.680	W	5 G			2	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). In code of previous event, assumed same location to nearest tenth of a degree.
	20	23	46	32.2	36.554	N	71.363	E	33 N	4.9	0.7	13	AFGHANISTAN-USSR BORDER REGION
	21	00	11	44.3%	29.684	S	68.347	W	33 N		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	21	01	23	47.8	36.968	N	121.020	W	5 G		0.8	15	CENTRAL CALIFORNIA. ML 2.8 (BRK).
	21	04	48	07.5	19.878	S	66.925	W	250	4.5	1.0	30	SOUTHERN BOLIVIA
	21	05	02	44.0•	28.565	N	142.899	E	33 N	4.6	1.0	10	BONIN ISLANDS REGION
	21	05	29	49.3	23.371	S	68.355	W	159	4.3	0.5	11	NORTHERN CHILE
	21	05	39	23.0•	39.787	N	69.030	E	33 N	4.8	1.3	10	TAJIK SSR. Felt (V) at Ura-Tyube, (III) at Ganchi and (II) at Samarkand.
	21	06	37	27.3&	40.930	N	125.233	W	5 G			13	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK).
	21	07	31	28.4%	15.955	N	62.124	W	10 G		0.2	7	LEEWARD ISLANDS
	21	07	34	42.3•	40.066	S	74.873	W	33 N	4.6	0.7	14	OFF COAST OF SOUTHERN CHILE
	21	07	58	04.4•	41.411	N	142.272	E	67 ?	4.6	0.8	12	HOKKAIDO, JAPAN REGION
	21	08	15	30.1	61.979	N	124.277	W	10 G	4.1	1.1	9	NORTHWEST TERRITORIES, CANADA
	21	08	30	52.4%	31.914	S	70.080	W	33 N		1.0	6	CHILE-ARGENTINA BORDER REGION
	21	08	32	12.9?	31.55	S	69.46	W	33 N		1.6	5	SAN JUAN PROVINCE, ARGENTINA
	21	09	36	58.5%	46.338	N	25.072	E	33 N		0.3	5	ROMANIA
	21	09	53	15.2%	39.148	N	27.617	E	10 G		0.2	5	TURKEY
	21	10	19	06.3	2.885	S	139.367	E	62 •	5.2	1.1	71	NEAR N. COAST OF WEST IRIAN
	21	13	55	41.0	30.697	S	71.424	W	52	4.9	1.1	47	NEAR COAST OF CENTRAL CHILE. Felt (V) at Salamanca and (II) at Ovalle, La Serena and Coquimbo. Also felt at Illapel.
	21	14	14	35.4•	6.796	N	123.980	E	57 ?	4.0	1.3	15	MINDANAO, PHILIPPINE ISLANDS
	21	14	26	08.0•	43.252	N	17.613	E	10 G		0.6	7	YUGOSLAVIA. ML 3.0 (TTG).
	21	14	34	29.4	21.303	S	66.963	W	199 ?	4.1	0.5	10	SOUTHERN BOLIVIA
	21	17	41	11.0&	31.149	N	117.023	W	8 G			3	OFF W. COAST OF BAJA CALIFORNIA. <ECX-P>. MD 2.3 (ECX).
	21	18	40	12.2?	3.08	N	128.54	E	33 N		1.2	7	NORTH OF HALMAHERA
	21	18	51	32.2%	15.388	N	60.792	W	33 N		0.6	6	LEEWARD ISLANDS. ML 2.4 (FDF).
	21	19	57	37.7&	61.512	N	146.759	W	28			35	SOUTHERN ALASKA. <AGS-P>.
	21	20	18	08.7•	38.563	N	0.480	W	10 G		0.6	6	SPAIN. MG 3.2 (MDD).
	21	20	58	56.8•	30.391	N	140.203	E	163 •	4.6	0.5	10	SOUTH OF HONSHU, JAPAN
o	21	21	35	35.8	7.455	S	120.646	E	614	5.5	0.9	151	FLORES SEA
o	21	23	56	18.6&	54.284	N	121.854	W	18 G	5.4 5.2		251	BRITISH COLUMBIA. <PGC>. ML 6.0 (PGC). Felt in many parts of British Columbia and Alberta, including the cities of Prince George, Fort St. John, Dawson Creek, Kamloops, Vancouver, Grande Prairie, Edmonton and Calgary.
	22	01	15	56.7•	9.241	S	158.818	E	50 •	4.2	1.5	11	SOLOMON ISLANDS
	22	01	28	14.8?	36.46	N	70.57	E	88 ?	4.1	0.8	9	HINDU KUSH REGION
	22	01	47	47.0•	51.667	N	6.721	E	10 G		0.3	6	GERMANY. ML 1.9 (STB).
	22	01	48	15.2?	27.83	N	102.71	E	33 N	4.2	0.4	5	SICHUAN PROVINCE, CHINA
	22	02	30	22.6	46.461	N	4.064	W	23		0.9	24	BAY OF BISCAY. ML 4.1 (LDG).
	22	03	33	31.9•	31.218	S	68.934	W	149 ?		1.1	14	SAN JUAN PROVINCE, ARGENTINA
	22	04	38	00.9?	19.64	S	33.29	E	10 G		1.0	5	MOZAMBIQUE. MG 3.5 (BUL).
	22	04	39	10.5?	20.30	S	176.00	W	259 ?	4.1	1.5	10	FIJI ISLANDS REGION
o	22	04	45	32.8	23.422	N	121.565	E	45	5.6 5.5	1.1	185	TAIWAN. Felt on Taiwan.
	22	05	30	01.9&	60.348	N	153.297	W	165	4.4		79	SOUTHERN ALASKA. <AGS-P>. Felt at Homer.
	22	06	43	36.3	27.468	S	69.284	W	131 •		1.1	11	NORTHERN CHILE
	22	07	15	18.0•	24.359	N	122.518	E	33 N	4.5	1.0	6	TAIWAN REGION
	22	08	18	00.8	24.699	N	122.813	E	27 ?	4.8	1.0	23	TAIWAN REGION
	22	08	32	53.5	24.827	N	122.981	E	33 •	5.0	1.0	28	TAIWAN REGION
	22	08	38	18.8•	24.683	N	122.823	E	33 N	4.5	1.3	11	TAIWAN REGION
	22	08	42	52.4?	34.17	S	71.76	W	22		0.7	11	NEAR COAST OF CENTRAL CHILE
	22	08	47	44.2•	24.688	N	122.773	E	39 •	4.9	1.0	19	TAIWAN REGION
	22	08	54	14.6	24.727	N	122.876	E	3_ N	5.1	0.9	33	TAIWAN REGION
	22	08	57	21.6?	23.80	N	120.48	E	33 N	4.5	0.9	7	TAIWAN
	22	09	00	31.2•	25.242	N	123.883	E	33 N	4.4	0.4	7	NORTHEAST OF TAIWAN
	22	09	04	03.4?	24.29	N	122.93	E	33 N	5.0	0.7	12	TAIWAN REGION
	22	09	08	58.4•	24.871	N	122.962	E	33 N	4.6	0.1	6	TAIWAN REGION
	22	09	10	47.3•	24.780	N	122.770	E	33 N	4.6	1.2	9	TAIWAN REGION
	22	09	16	16.1	24.732	N	122 823	E	33 N	4.6	0.8	19	TAIWAN REGION
	22	09	20	30.2•	24.785	N	122.836	E	33 N	4.5	1.3	17	TAIWAN REGION
	22	09	22	01.5	24.742	N	122.865	E	33 N	5.3	1.1	37	TAIWAN REGION
	22	09	33	18.7	24.784	N	122.901	E	33 N	5.1	1.0	26	TAIWAN REGION
	22	09	41	25.9•	24.952	N	122.913	E	33 N	5.0	1.1	11	TAIWAN REGION
	22	09	43	13.7•	24.636	N	122.833	E	33 N	4.9	1.1	12	TAIWAN REGION
	22	09	48	05.3	24.791	N	122.878	E	33 N	5.3	1.3	44	TAIWAN REGION
	22	09	57	48.9	24.739	N	122.825	E	37 •	5.3	1.2	49	TAIWAN REGION
	22	10	05	48.2•	33.574	S	72.354	W	33 N	4.2	1.0	16	OFF COAST OF CENTRAL CHILE
	22	10	22	50.0•	24.593	N	122.865	E	33 N	5.0	1.4	24	TAIWAN REGION

e	22	10	31	07.3	24.753	N	122.921	E	33	N	5.3	5.7	0	88	TAIWAN REGION
	22	10	37	50.57	24.27	N	122.75	E	33	N	4.7		e 9	8	TAIWAN REGION
	22	10	53	00.4•	24.840	N	122.572	E	33	N	4.7		1.4	15	TAIWAN REGION
	22	10	54	58.8	24.813	N	122.952	E	33	N	5.2		1.0	36	TAIWAN REGION
	22	11	01	19.7•	24.802	N	122.613	E	33	N	5.0		1.0	12	TAIWAN REGION
	22	11	05	48.2•	24.799	N	122.944	E	33	N	5.0		1.0	19	TAIWAN REGION
	22	11	14	59.0	24.763	N	122.902	E	33	N	5.0		1.2	25	TAIWAN REGION
e	22	11	19	36.1	24.681	N	122.778	E	33	N	5.4		1.2	66	TAIWAN REGION
	22	11	27	38.37	24.55	N	122.75	E	33	N	4.9		1.3	10	TAIWAN REGION
	22	11	40	03.87	24.83	N	122.88	E	33	N	4.8		0.5	6	TAIWAN REGION
	22	11	49	31.8•	24.943	N	122.736	E	33	N	5.0		1.2	25	TAIWAN REGION
	22	11	56	11.9	24.852	N	122.947	E	33	N	5.1		0.8	24	TAIWAN REGION
e	22	12	06	33.6	24.669	N	122.814	E	33	N	5.4	5.7	1.2	121	TAIWAN REGION
	22	12	16	34.8•	24.734	N	122.638	E	33	N	5.1		1.0	14	TAIWAN REGION
	22	12	37	42.1•	24.868	N	123.046	E	33	N	5.0		1.4	17	SOUTHWESTERN RYUKYU ISLANDS
	22	12	49	39.7•	24.843	N	122.852	E	33	N	4.9		1.1	15	TAIWAN REGION
	22	12	50	37.8•	24.755	N	122.930	E	33	N	5.1		1.3	22	TAIWAN REGION
	22	12	57	03.4•	24.759	N	122.933	E	33	N	5.3		1.4	28	TAIWAN REGION
	22	13	00	54.5•	24.857	N	123.270	E	33	N	4.9		1.1	15	SOUTHWESTERN RYUKYU ISLANDS
	22	13	05	22.0	24.761	N	123.011	E	33	N	4.7		0.8	18	SOUTHWESTERN RYUKYU ISLANDS
	22	13	26	21.4•	28.844	S	67.244	W	145	?			1.1	9	LA RIOJA PROVINCE, ARGENTINA
	22	13	27	31.5•	24.910	N	123.027	E	33	N	4.7		1.4	24	SOUTHWESTERN RYUKYU ISLANDS
	22	13	28	50.1•	24.481	N	122.922	E	33	N	4.9		1.1	10	TAIWAN REGION
	22	13	33	58.3	24.843	N	123.063	E	33	N	5.3	5.4	1.4	51	SOUTHWESTERN RYUKYU ISLANDS
	22	13	55	34.2•	24.916	N	123.186	E	33	N	5.1		0.9	19	SOUTHWESTERN RYUKYU ISLANDS
	22	14	00	55.8•	24.698	N	122.893	E	33	N	4.7		1.4	7	TAIWAN REGION
	22	14	02	24.8•	24.826	N	123.012	E	33	N	4.9		1.5	13	SOUTHWESTERN RYUKYU ISLANDS
	22	14	24	42.4•	24.759	N	123.382	E	33	N	4.7		1.2	15	SOUTHWESTERN RYUKYU ISLANDS
o	22	14	27	17.7	24.726	N	123.015	E	33	N	4.9	5.5	1.2	39	SOUTHWESTERN RYUKYU ISLANDS
	22	14	46	04.2	24.700	N	122.854	E	33	N	5.1		1.4	31	TAIWAN REGION
	22	14	53	59.6&	40.827	N	27.852	E	10	G			0.8	9	TURKEY
	22	14	59	58.6	0.292	S	123.643	E	170	•	5.0		1.1	23	MINAHASSA PENINSULA
	22	15	19	40.4	34.080	N	61.015	W	24	D	5.0		1.0	110	NORTH ATLANTIC OCEAN
	22	16	06	27.9	24.695	N	122.997	E	33	N	4.7		1.1	9	TAIWAN REGION
	22	16	15	00.0&	37.083	N	116.066	W	0		5.1			172	SOUTHERN NEVADA. <DOE>. ML 5.0 (BRK). 37° 04' 58.81" N., 116° 03' 57.81" W., Surface Elev. 1260 m., Depth of Burial 600 m., Shot Time 161500.076, "GLENCOE", Nevada Test Site (Dept. of Energy).
	22	16	31	55.0•	24.750	N	122.938	E	33	N	4.5		1.0	12	TAIWAN REGION
	22	16	43	15.4•	24.816	N	122.395	E	33	N	4.6		1.4	8	TAIWAN REGION
	22	16	48	48.9?	36.20	S	103.98	W	10	G	4.7		1.0	20	SOUTHERN PACIFIC OCEAN
	22	16	50	33.2	24.839	N	123.049	E	33	N	4.9		1.1	22	SOUTHWESTERN RYUKYU ISLANDS
o	22	16	58	51.7	4.377	S	104.701	W	10	G	5.4	5.9	1.3	86	NORTHERN EASTER I. CORDILLERA. Ms 5.5 (BRK).
	22	17	04	28.5&	40.079	N	29.397	E	10	G			1.0	8	TURKEY
	22	17	07	01.4•	24.584	N	122.739	E	33	N	4.9		0.4	9	TAIWAN REGION
	22	17	31	53.5•	24.851	N	122.551	E	33	N	4.5		0.8	7	TAIWAN REGION
	22	17	55	04.1	24.617	N	123.160	E	33	N	5.0		0.9	20	SOUTHWESTERN RYUKYU ISLANDS
	22	18	12	54.9•	4.883	S	152.813	E	33	N	4.4		0.9	7	NEW BRITAIN REGION
	22	18	14	29.7•	24.553	N	122.638	E	43	•	4.9		1.1	15	TAIWAN REGION
	22	18	31	09.2•	24.654	N	123.124	E	33	N	4.8		1.3	14	SOUTHWESTERN RYUKYU ISLANDS
	22	18	37	04.8•	24.449	N	122.650	E	33	N	4.9		1.1	10	TAIWAN REGION
	22	18	44	55.8•	24.689	N	123.314	E	33	N	4.5		1.4	7	SOUTHWESTERN RYUKYU ISLANDS
o	22	18	45	32.7	24.812	N	123.212	E	33	N	5.2		1.1	45	SOUTHWESTERN RYUKYU ISLANDS
	22	19	31	35.7•	24.634	N	123.081	E	33	N	4.8		1.3	23	SOUTHWESTERN RYUKYU ISLANDS
	22	19	37	34.6•	5.403	S	150.252	E	122	•	4.7		1.2	23	NEW BRITAIN REGION
	22	19	51	34.1•	24.750	N	122.840	E	33	N	4.6		0.4	9	TAIWAN REGION
	22	20	19	25.9•	24.311	S	67.248	W	199	•			0.7	9	CHILE-ARGENTINA BORDER REGION
	22	20	26	49.2	24.758	N	122.868	E	33	N	4.9		0.9	16	TAIWAN REGION
	22	20	29	44.6•	24.841	N	123.295	E	33	N	4.7		1.2	13	SOUTHWESTERN RYUKYU ISLANDS
	22	20	35	21.9•	51.422	N	15.933	E	10	G			0.7	8	POLAND. ML 3.5 (GRF), 3.3 (KBA), 3.3 (VKA).
	22	20	36	23.6•	36.511	N	21.067	E	33	N			1.0	26	SOUTHERN GREECE. ML 3.9 (ATH).
	22	20	48	19.4	24.701	N	122.975	E	33	N	5.0		1.2	54	TAIWAN REGION
	22	21	01	04.6?	24.75	N	122.82	E	33	N	4.8		1.3	6	TAIWAN REGION
	22	21	14	55.2&	47.153	N	0.274	E	10	G			0.9	14	FRANCE. ML 2.9 (LDG).
	22	21	18	20.0•	14.988	S	166.955	E	33	N	3.9		1.1	24	VANUATU ISLANDS
	22	21	32	40.4•	24.723	N	122.896	E	33	N	4.7		1.1	9	TAIWAN REGION
	22	21	45	48.9&	61.217	N	150.382	W	16					44	SOUTHERN ALASKA. <ACS-P>. ML 3.5 (PMR). Felt at Anchorage.
	22	23	01	55.7•	10.043	S	161.223	E	112	•	4.4		1.2	12	SOLOMON ISLANDS
	22	23	39	20.7•	24.754	N	122.788	E	33	N	4.8		1.2	15	TAIWAN REGION
	22	23	53	45.4	24.764	N	123.164	E	20		5.0		0.9	45	SOUTHWESTERN RYUKYU ISLANDS
	23	00	28	44.7•	32.279	S	68.884	W	137	?			0.3	7	MENDOZA PROVINCE, ARGENTINA
	23	00	46	57.7•	24.778	N	122.885	E	33	N	4.7		1.2	21	TAIWAN REGION
	23	00	57	28.0•	34.215	N	88.916	E	33	N	4.8		1.0	11	TIBET
	23	01	28	10.8&	44.304	N	7.366	E	10	G			0.4	7	NORTHERN ITALY. ML 2.7 (LDG).
	23	01	33	29.5	6.817	S	155.800	E	74		4.9		0.9	12	SOLOMON ISLANDS. Felt (III) at Arawa and Panguna, Bougainville.
	23	01	42	49.7•	24.827	N	123.126	E	33	N	4.7		1.0	13	SOUTHWESTERN RYUKYU ISLANDS
	23	01	48	34.6•	18.074	S	176.618	W	350		4.4		1.0	28	FIJI ISLANDS REGION
	23	02	03	20.0&	47.070	N	0.080	E	10	G			0.7	6	FRANCE. ML 2.3 (LDG).
	23	02	04	56.8•	24.777	N	123.133	E	33	N	4.7		1.0	8	SOUTHWESTERN RYUKYU ISLANDS
	23	02	48	10.3•	7.658	S	128.198	E	136	?	4.2		1.4	12	BANDA SEA
	23	03	11	53.7•	33.177	S	72.314	W	33	N			1.5	19	OFF COAST OF CENTRAL CHILE
	23	03	38	19.6?	31.59	S	69.90	W	33	N			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	23	03	50	43.8	28.534	N	130.058	E	33	N	5.1	5.0	0.9	68	RYUKYU ISLANDS
	23	04	22	59.3•	24.577	N	123.097	E	33	N	4.8		0.9	6	SOUTHWESTERN RYUKYU ISLANDS
	23	04	35	52.2?	32.01	S	68.71	W	77	?			0.4	6	MENDOZA PROVINCE, ARGENTINA
	23	04	58	01.4&	38.845	N	122.887	W	2	G	3.7			37	NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.3•10••22 (BRK). Felt strongly at The Geysers. Felt (V) at Cobb, (IV) at Loch Lomond and Jenner, (III) at Boyes Hot Springs and Freestone.
	23	05	22	06.6	24.719	N	123.111	E	30		4.9		1.0	36	SOUTHWESTERN RYUKYU ISLANDS
	23	05	38	12.6•	7.686	S	127.563	E	174	•	4.9		1.3	19	BANDA SEA

	23	06	06	29.1•	24.788	N	123.157	E	33	N	4.8	1.4	19	SOUTHWESTERN RYUKYU ISLANDS
	23	06	30	35.1?	1.81	S	100.30	E	64	?	4.7	0.8	12	SOUTHERN SUMATERA
	23	07	43	01.2•	24.762	N	123.022	E	33	N	4.8	1.1	13	SOUTHWESTERN RYUKYU ISLANDS
	23	08	03	15.9•	24.955	N	123.150	E	33	N	4.6	1.4	14	SOUTHWESTERN RYUKYU ISLANDS
	23	08	48	36.1•	24.755	N	123.041	E	33	N	4.7	0.5	5	SOUTHWESTERN RYUKYU ISLANDS
	23	10	14	26.8•	24.094	S	66.869	W	225	•		0.4	8	SALTA PROVINCE, ARGENTINA
	23	10	37	20.1	24.689	N	123.135	E	33	N	4.7	1.3	25	SOUTHWESTERN RYUKYU ISLANDS
	23	10	42	19.5•	24.618	N	122.643	E	33	N	4.6	1.4	6	TAIWAN REGION
	23	11	08	18.5•	24.719	N	123.033	E	33	N	4.9	1.1	14	SOUTHWESTERN RYUKYU ISLANDS
	23	11	14	06.0	36.187	N	119.999	W	5	G		1.1	11	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	23	11	26	22.2%	39.128	N	27.641	E	10	G		0.3	6	TURKEY
o	23	11	47	38.7	26.710	S	70.938	W	62	D	5.4	1.1	99	NEAR COAST OF NORTHERN CHILE. Felt at Chanaral and Taltal.
	23	11	52	31.7?	17.34	N	99.19	W	33	N		1.2	5	GUERRERO, MEXICO
	23	12	56	22.4	44.595	N	10.727	E	10	G		0.9	13	NORTHERN ITALY. ML 3.0 (KBA), 2.9 (LDG), MD 2.8 (FIR)
o	23	13	15	39.8	0.844	N	26.220	W	10	G	4.8 5.0	0.9	52	CENTRAL MID-ATLANTIC RIDGE
	23	13	15	56.5•	24.969	N	123.447	E	33	N	4.5	1.6	10	SOUTHWESTERN RYUKYU ISLANDS
	23	13	23	10.4?	28.95	N	51.62	E	33	N	4.8	0.9	6	SOUTHERN IRAN
	23	13	25	40.4?	33.78	S	72.18	W	33	N		0.4	10	OFF COAST OF CENTRAL CHILE
	23	13	30	29.8	47.517	N	154.364	E	45	D	5.0	0.6	69	KURIL ISLANDS
	23	13	36	45.7	31.633	S	68.672	W	8			1.3	20	SAN JUAN PROVINCE, ARGENTINA
	23	13	59	22.2	44.307	N	6.428	E	11			0.7	34	FRANCE. ML 3.6 (LDG)
	23	14	03	19.2	44.304	N	6.454	E	10	G		0.5	11	FRANCE. ML 2.9 (LDG)
	23	14	08	55.3	24.772	N	123.011	E	45	•	5.0	1.1	48	SOUTHWESTERN RYUKYU ISLANDS
	23	14	14	36.5•	7.922	S	122.604	E	281	•	5.2	1.1	14	FLORES SEA
	23	14	22	21.9%	44.273	N	6.279	E	10	G		0.5	6	FRANCE. ML 2.6 (LDG).
	23	14	26	03.2	40.346	N	51.629	E	33	N	5.0 4.9	0.8	71	CASPIAN SEA
	23	14	26	11.8	44.407	N	114.213	W	5	G		0.5	8	WESTERN IDAHO. ML 3.1 (NEIS).
	23	14	44	00.5•	24.663	N	122.815	E	33	N	4.5	1.2	14	TAIWAN REGION
	23	15	26	46.9•	0.515	N	30.280	E	10	G	4.7	1.2	9	UGANDA
	23	16	55	52.1?	12.12	N	87.16	W	33	N	4.8	0.8	26	NEAR COAST OF NICARAGUA
	23	17	40	59.7?	24.89	N	123.68	E	33	N	4.4	1.1	6	SOUTHWESTERN RYUKYU ISLANDS
	23	18	14	33.3%	45.972	N	2.721	E	9			0.5	11	FRANCE. ML 2.3 (LDG).
	23	18	57	57.8	31.456	S	68.550	W	12			1.2	14	SAN JUAN PROVINCE, ARGENTINA
	23	19	22	34.4%	36.924	N	3.087	W	10	G		0.1	5	STRAIT OF GIBRALTAR
	23	19	23	10.5?	15.58	S	34.58	E	10	G		1.0	5	MALAWI. MG 3.1 (BUL).
	23	19	47	52.0?	30.48	S	176.67	W	33	N	4.9	1.5	7	KERMADEC ISLANDS REGION
	23	19	55	43.2•	24.486	N	122.594	E	33	N	4.6	1.2	8	TAIWAN REGION
	23	20	58	57.4	43.041	N	25.603	E	10	G		1.1	14	BULGARIA
	23	21	01	09.2?	36.52	N	70.46	E	132	?	4.2	0.8	5	HINDU KUSH REGION
	23	21	16	24.9•	4.786	S	151.701	E	72	•	4.8	1.0	22	NEW BRITAIN REGION
	23	22	25	23.4	0.334	S	132.349	E	33	N	4.4	1.1	21	WEST IRIAN REGION
	23	22	30	20.3•	0.383	S	132.358	E	33	N	4.8	1.2	19	WEST IRIAN REGION
	23	22	33	41.7?	0.50	S	132.55	E	33	N	4.5	1.3	10	WEST IRIAN REGION
	23	22	44	22.9	6.956	S	155.718	E	71		5.1	0.9	48	SOLOMON ISLANDS. Felt (II) at Panguna, Bougainville.
	23	23	19	30.6•	30.257	S	176.307	W	33	N	4.5	1.8	10	KERMADEC ISLANDS REGION
	24	01	54	40.9	37.479	N	121.692	W	10	G		0.5	13	CENTRAL CALIFORNIA. ML 2.6 (BRK). Mo=4.2•10••21 (BRK)
o	24	02	01	28.9	28.541	N	130.009	E	26	•	5.6 5.9	0.9	269	RYUKYU ISLANDS. Ms 5.7 (PAS), 5.6 (BRK). Felt (IV JMA) at Naze. Felt (II JMA) at Kagoshima and (I JMA) at Kumamoto and Oita, Kyushu.
	24	02	01	34.2•	40.981	N	19.751	E	10	G		0.4	8	ALBANIA. ML 2.7 (TTG).
	24	02	10	58.4•	28.594	N	130.234	E	33	N	4.8	1.2	17	RYUKYU ISLANDS
	24	02	23	24.8	7.356	S	120.190	E	412		5.2	1.1	65	FLORES SEA
	24	02	33	57.7	24.773	N	122.679	E	31		5.1	1.0	37	TAIWAN REGION
	24	02	42	21.0•	29.246	S	71.862	W	33	N		1.2	17	NEAR COAST OF CENTRAL CHILE
	24	02	57	14.1•	28.345	N	130.079	E	33	N	4.8	0.9	16	RYUKYU ISLANDS
	24	03	00	32.2	24.790	N	123.105	E	33	N	4.4	1.0	12	SOUTHWESTERN RYUKYU ISLANDS
	24	03	12	47.0•	8.326	N	103.129	W	10	G	4.8	0.8	30	OFF COAST OF MEXICO
	24	03	22	10.5	24.880	N	123.380	E	33	N	4.8	1.0	22	SOUTHWESTERN RYUKYU ISLANDS
	24	03	49	58.7	29.487	N	129.377	E	33	N	4.7	1.2	31	RYUKYU ISLANDS
	24	04	10	47.3?	21.12	S	173.97	W	33	N	4.3	1.0	9	TONGA ISLANDS
	24	04	12	58.7•	7.955	S	133.918	E	33	N	4.9	1.4	11	AROE ISLANDS REGION
	24	05	14	40.0&	33.785	N	118.305	W	8				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt (IV) at Paramount, Palos Verdes Peninsula, Torrance and Wilmington. Felt (III) at Gardena and Lomita. Also felt in the Carson, Compton and Long Beach areas.
	24	07	11	45.3	24.817	N	123.153	E	33	N	4.9	0.8	13	SOUTHWESTERN RYUKYU ISLANDS
	24	07	30	51.7•	24.714	N	123.028	E	26	•	5.1	1.4	38	SOUTHWESTERN RYUKYU ISLANDS
	24	07	33	25.5•	0.305	S	132.409	E	33	N	4.8	1.0	18	WEST IRIAN REGION
	24	09	07	22.2?	15.17	S	178.78	W	430	•	4.4	0.6	11	FIJI ISLANDS REGION
	24	09	15	22.4?	34.42	N	61.53	W	10	G	3.8	0.7	10	NORTH ATLANTIC OCEAN
	24	09	18	29.2	34.885	N	60.882	W	10	G	4.9 4.0	0.9	60	NORTH ATLANTIC OCEAN
	24	09	28	06.9%	40.824	N	28.007	E	10	G		0.5	8	TURKEY
o	24	10	33	57.5	14.132	N	91.318	W	67		5.1	1.2	115	GUATEMALA. Felt (III) at Guatemala City. Felt along the coast of Guatemala and at Tuxtla Gutierrez, Mexico
	24	10	55	10.8%	39.151	N	27.648	E	10	G		0.9	5	TURKEY
	24	11	45	35.2•	24.152	N	120.662	E	33	N	4.4	1.4	7	TAIWAN
	24	12	39	15.5	23.856	S	66.831	W	221		4.1	1.3	27	JUJUY PROVINCE, ARGENTINA
	24	14	28	58.4%	39.589	N	29.456	E	10	G		1.0	7	TURKEY
	24	14	44	51.9%	15.201	N	61.261	W	10	G		0.2	7	LEEWARD ISLANDS. ML 2.3 (FDF).
	24	14	45	16.4%	39.609	N	29.412	E	10	G		1.0	8	TURKEY
	24	15	30	52.9•	43.912	N	146.642	E	79	?	4.8	0.7	23	KURIL ISLANDS
	24	15	36	26.4	24.812	N	123.351	E	33	N	4.6	1.0	16	SOUTHWESTERN RYUKYU ISLANDS
	24	15	59	51.8•	31.311	S	68.028	W	10	G		1.5	12	SAN JUAN PROVINCE, ARGENTINA
	24	16	42	12.0•	18.105	S	178.054	W	605		4.5	1.1	20	FIJI ISLANDS REGION
	24	17	11	28.5&	62.388	N	151.396	W	88				40	CENTRAL ALASKA. <AGS-P>.
	24	17	29	57.4	32.476	N	114.077	W	0	G		0.8	16	W. ARIZ - MEXICO BORDER REGION. ML 3.4 (PAS). Probable explosion.
	24	18	06	12.4%	38.827	N	27.707	E	10	G		1.1	11	TURKEY
	24	18	10	30.0•	24.903	N	123.519	E	33	N	4.5	1.0	13	SOUTHWESTERN RYUKYU ISLANDS
	24	18	50	16.5•	40.176	S	173.191	E	33	N		1.2	7	COOK STRAIT, NEW ZEALAND. Felt at New Plymouth and Wellington.
	24	19	04	10.1•	50.392	N	19.031	E	10	G		1.6	5	POLAND. ML 3.3 (KRA), 3.1 (KBA).

	24	19 11 [illegible]	13 [illegible]	N	51.754	E	10	G	4.8		1.1	40	EASTERN GULF OF ADEN
	24	19 16 13.47	93 90	N	100.29	E	33	N	4.9		0.9	9	NEAR EAST COAST OF KAMCHATKA
o	24	19 31 39.3	2	488 S	138.696	E	29	•	5.0	6.0	1.2	146	WEST IRIAN. Ms 6.6 (BRK), 6.4 (PAS).
	24	19 43 23.9	16	[illegible]	113.571	W	10	G	5.1		1.1	68	REVILLA GIGEDO ISLANDS REGION
	24	20 45 53.3•	24	711 N	123.252	E	33	N	4.5		1.2	9	SOUTHWESTERN RYUKYU ISLANDS
	24	21 38 05.5•	1	917 S	78.211	W	33	N	4.8		1.1	9	ECUADOR
	24	22 16 47.1	24	876 N	122.927	E	33	N	4.8		0.8	22	TAIWAN REGION
	24	22 13 10.9	43	248 N	18.863	E	9		4.1		1.2	67	YUGOSLAVIA. ML 4.1 (TTG), 4.0 (VKA).
	24	22 33 41.3&	39	222 N	112.000	W	0					17	UTAH. <SLC-P>. ML 3.3 (SLC).
	24	22 48 23.4&	39	236 N	112.099	W	1		4.7			47	UTAH. <SLC-P>. ML 4.4 (SLC). Felt (V) at Scipio, (IV) at Axtell, Fayette, Gunnison and Redmond, (III) at Centerfield, Ephraim, Fountain Green, Oak City and Salina.
	24	22 50 34.0&	36	557 N	121.183	W	4					12	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	24	23 16 28.07	30	09 S	177.62	W	33	N	4.4		0.9	5	KERMADEC ISLANDS
	24	23 20 01.4&	59	544 N	152.242	W	65					26	SOUTHERN ALASKA. <AGS-P>.
	24	23 30 00.2•	24	770 N	123.238	E	33	N	4.3		0.9	6	SOUTHWESTERN RYUKYU ISLANDS
	24	23 39 21.9•	17	581 N	101.131	W	33	N	3.6		1.1	12	NEAR COAST OF GUERRERO, MEXICO
	24	23 59 31.3•	24	943 N	123.209	E	33	N	4.4		1.6	6	SOUTHWESTERN RYUKYU ISLANDS
	25	00 20 00.1&	46	818 N	4.082	E	10	G			0.6	6	FRANCE. ML 2.3 (LDG).
	25	00 53 10.5&	45	879 N	26.863	E	33	N			1.0	5	ROMANIA
	25	01 32 32.4	26	722 N	54.816	E	33	N	4.9	5.4	1.0	88	SOUTHERN IRAN. Three house destroyed at Gazir. Felt in the Bandar-e Lengeh area.
o	25	01 41 34.6	38	354 N	25.145	E	4		5.2	5.9	1.1	181	AEGEAN SEA. ML 5.3 (ATH). Felt in the Athens area.
	25	01 59 21.0•	38	483 N	25.286	E	10	G			1.2	13	AEGEAN SEA
	25	02 09 28.0	38	346 N	25.198	E	10	G			0.5	7	AEGEAN SEA
	25	02 21 03.5?	37	99 N	25.24	E	10	G			1.2	5	DODECANESE ISLANDS. ML 3.2 (ATH).
	25	02 49 06.3&	39	230 N	112.006	W	0					11	UTAH. <SLC-P>. ML 2.8 (SLC).
	25	02 50 15.7•	23	492 N	143.232	E	33	N	4.4		1.1	20	VOLCANO ISLANDS REGION
	25	02 53 01.2&	39	223 N	112.011	W	1		4.5			36	UTAH. <SLC-P>. ML 3.9 (SLC). Felt (V) at Redmond and Scipio, (IV) at Axtell, Fayette, Gunnison and Salina, (III) at Centerfield, Ephraim and Oak City.
	25	03 22 17.07	37	22 N	26.82	E	10	G			1.0	5	DODECANESE ISLANDS
	25	03 48 45.8	38	393 N	25.192	E	4				0.9	30	AEGEAN SEA. ML 3.8 (ATH).
	25	04 00 43.3	37	262 N	139.423	E	144		5.3		0.8	204	HONSHU, JAPAN
	25	04 54 17.5?	33	74 S	72.18	W	33	N			0.3	10	OFF COAST OF CENTRAL CHILE
	25	05 49 39.8&	62	517 N	151.178	W	99					26	CENTRAL ALASKA. <AGS-P>.
	25	05 57 47.5•	45	634 N	14.262	E	10	G			1.3	10	YUGOSLAVIA. ML 3.6 (KBA), 3.2 (TRI). Felt (IV) at Rijeka.
	25	07 07 45.37	21	40 S	174.73	W	33	N	4.9		1.4	14	TONGA ISLANDS
	25	07 10 33.1	10	342 N	62.559	W	10	G	4.7		1.3	58	NEAR COAST OF VENEZUELA. Felt on northern Trinidad.
	25	07 39 37.8	38	399 N	25.141	E	10	G	4.1		0.9	32	AEGEAN SEA. ML 3.9 (ATH).
	25	07 43 41.2?	53	49 N	161.69	E	33	N	4.8		1.3	9	OFF EAST COAST OF KAMCHATKA
o	25	08 00 05.9	22	061 S	176.665	W	192	D	5.1		1.2	95	SOUTH OF FIJI ISLANDS
	25	08 38 35.2	49	158 N	6.685	E	11				1.1	20	GERMANY. ML 3.3 (LDG), MD 2.7 (MOF).
	25	08 41 49.87	2	55 S	134.31	E	33	N	3.9		1.7	7	WEST IRIAN REGION
	25	09 05 56.0•	38	129 N	25.175	E	10	G			1.3	5	AEGEAN SEA. ML 3.2 (ATH).
	25	09 33 02.3%	39	111 N	27.689	E	10	G			0.7	5	TURKEY
	25	09 35 44.6•	8	372 S	114.271	E	167	•	4.3		1.0	8	BALI ISLAND REGION
	25	09 59 39.2•	38	297 N	25.147	E	10	G			0.9	6	AEGEAN SEA. ML 3.1 (ATH).
	25	10 17 48.9	24	813 N	122.983	E	33	N	5.0		0.9	24	TAIWAN REGION
	25	10 31 05.9%	16	741 N	98.646	W	33	N			1.4	6	NEAR COAST OF GUERRERO, MEXICO
	25	10 44 05.5•	24	984 N	123.634	E	33	N	4.7		1.1	14	SOUTHWESTERN RYUKYU ISLANDS
	25	11 25 02.0	39	918 N	53.865	E	33	N	4.9		1.2	32	TURKMEN SSR. Felt (IV) at Krasnovodsk and Nebit-Dag.
	25	11 40 10.0&	62	796 N	150.498	W	90					49	CENTRAL ALASKA. <AGS-P>.
	25	11 46 45.5•	27	267 N	102.840	E	33	N	4.5		1.4	14	SICHUAN PROVINCE, CHINA. ML 4.5 (KMI).
o	25	12 13 47.0	24	817 N	123.160	E	31		5.1	5.0	1.1	58	SOUTHWESTERN RYUKYU ISLANDS
	25	13 00 27.9•	24	712 N	122.750	E	33	N	4.8		1.2	9	TAIWAN REGION
	25	13 06 37.77	38	36 N	25.15	E	10	G			0.5	4	AEGEAN SEA. ML 3.3 (ATH).
	25	13 13 19.4	23	414 N	143.265	E	33	N	4.8		0.9	63	VOLCANO ISLANDS REGION
	25	13 42 27.6•	38	172 N	25.231	E	10	G			1.5	7	AEGEAN SEA. ML 3.1 (ATH).
	25	15 01 38.5•	38	306 N	25.154	E	10	G			1.7	5	AEGEAN SEA. ML 3.1 (ATH).
	25	15 03 57.07	38	26 N	25.21	E	10	G			1.3	4	AEGEAN SEA. ML 2.9 (ATH).
	25	15 12 20.2	38	351 N	25.200	E	10	G	4.1		1.1	27	AEGEAN SEA. ML 3.6 (ATH).
	25	15 30 28.77	38	19 N	25.21	E	10	G			1.9	4	AEGEAN SEA. ML 2.9 (ATH).
	25	16 20 02.87	24	28 N	122.39	E	33	N	4.3		1.5	6	TAIWAN REGION
	25	17 07 24.37	51	31 N	16.04	E	10	G			0.4	6	POLAND. ML 3.1 (KBA).
o	25	17 10 57.5	6	249 S	104.159	E	47	D	5.5	5.7	1.1	170	SUNDA STRAIT
	25	18 15 52.1	10	396 S	161.230	E	96		5.2		0.9	78	SOLOMON ISLANDS
	25	18 52 39.3•	6	663 S	129.116	E	196	?			1.3	10	BANDA SEA
	25	19 27 43.9	30	744 S	71.665	W	64	•	5.1		1.2	38	NEAR COAST OF CENTRAL CHILE
	25	20 09 25.4	30	484 S	72.218	W	28		4.4		1.2	25	OFF COAST OF CENTRAL CHILE
	25	20 37 54.0	41	982 N	20.308	E	10	G			0.8	15	ALBANIA. ML 3.0 (TTG).
	25	21 22 52.5•	52	279 N	178.632	W	250	•	4.2		0.8	17	ANDREANOF ISLANDS, ALEUTIAN IS.
	25	22 27 52.6•	27	968 N	140.490	E	33	N	4.7		1.6	9	BONIN ISLANDS REGION
	25	22 31 37.57	22	40 S	179.87	W	557	•	4.5		1.1	23	SOUTH OF FIJI ISLANDS
	25	22 49 36.1•	38	462 N	25.160	E	10	G			1.4	6	AEGEAN SEA. ML 3.1 (ATH).
	25	23 49 34.4	40	336 N	63.658	E	33	N	5.2		0.9	153	UZBEK SSR. Felt (VI) at Gazli, (V) at Tamdy-Bulak, (IV) at Nurata, (III) at Samarkand and (II) at Dzhizak, Dushanbe and Tashkent.
	26	00 23 23.4•	26	124 N	124.531	E	224	•	4.7		1.1	24	NORTHEAST OF TAIWAN
	26	01 00 45.1&	49	116 N	127.736	W	10	G	4.3			35	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.5 (PGC).
	26	02 20 11.0•	20	402 S	68.987	W	160	•			1.5	13	CHILE-BOLIVIA BORDER REGION
	26	03 26 49.77	38	28 N	25.25	E	10	G			0.1	4	AEGEAN SEA. ML 2.9 (ATH).
	26	04 35 10.0•	31	255 S	69.530	W	33	N			0.8	6	SAN JUAN PROVINCE, ARGENTINA
	26	05 30 53.6	54	152 N	168.232	W	33	N	4.6		0.9	39	FOX ISLANDS, ALEUTIAN ISLANDS
	26	06 00 16.0&	59	956 N	152.222	W	62					33	SOUTHERN ALASKA. <AGS-P>.
o	26	07 04 51.8	34	022 S	72.005	W	49		5.0	5.1	1.0	93	NEAR COAST OF CENTRAL CHILE. Felt (III) in the Santiago area.
	26	07 22 38.5?	33	90 S	71.65	W	27	•			0.9	10	NEAR COAST OF CENTRAL CHILE
	26	07 43 44.4•	24	836 N	123.190	E	33	N	4.8		1.3	12	SOUTHWESTERN RYUKYU ISLANDS
	26	07 50 42.3%	60	300 N	6.055	E	10	G			0.1	6	SOUTHERN NORWAY. MD 2.5 (BER).
	26	08 53 54.1	41	705 N	14.987	E	10	G	3.9		0.8	37	SOUTHERN ITALY. ML 4.4 (LDG), 4.2 (TRI).

	26	10 3	5•	35 050	N	48 041	E	33	N	4.3	1.3	6	WESTERN IRAN
	26	11 22 5%	0•	38 353	N	25 091	E	10	G	3.9	1.0	10	AEGEAN SEA. ML 3.9 (ATH).
	26	11 35 43.5?	33 84	S	71.79	W	10	G			0.6	10	NEAR COAST OF CENTRAL CHILE
	26	13 42 34.3	37 401	N	143.036	E	33	N	4.8		0.7	25	OFF EAST COAST OF HONSHU, JAPAN
	26	14 28 19.5%	39 504	N	29.381	E	10	G			0.5	5	TURKEY
o	26	14 26 19.4	14.265	S	167.296	E	202	D	5.0		1.0	76	VANUATU ISLANDS
	26	15 18 09.2•	35 860	N	53.685	E	33	N	4.6		0.7	9	IRAN
	26	16 03 17.3	39 390	N	25.186	E	10	G			0.8	13	AEGEAN SEA. ML 3.5 (ATH).
	26	16 07 47.8•	38.322	N	25.177	E	10	G			0.8	6	AEGEAN SEA. ML 3.2 (ATH).
	26	16 10 52.2•	38.360	N	25.155	E	10	G			1.1	6	AEGEAN SEA. ML 3.2 (ATH).
	26	16 36 23.9&	37.245	N	80.494	W	12					12	WEST VIRGINIA. <BLA>. MD 2.9 (BLA). Felt (IV) at Blacksburg, Virginia and (III) at Eggleston and Newport, Virginia.
	26	17 20 35.3	24.712	N	122.845	E	32	•	5.0	4.7	0.9	43	TAIWAN REGION
	26	17 39 16.9	2.573	S	138.622	E	33	N	4.2		1.0	15	WEST IRIAN
	26	20 03 33.9	43.390	N	126.878	W	10	G	4.5		1.2	42	OFF COAST OF OREGON
	26	20 23 21.0	44.575	N	148.374	E	33	N	5.2		0.9	59	KURIL ISLANDS
o	26	21 49 57.2	56.366	S	26.571	W	111	D	5.7		1.0	98	SOUTH SANDWICH ISLANDS REGION
f	26	22 06 57.6	7.125	S	71.638	W	609	D	5.8		0.9	346	WESTERN BRAZIL. mb 5.4 (PAS)
	26	22 19 33.8%	39.685	N	27.973	E	10	G			1.6	7	TURKEY
	27	00 32 52.8•	24.688	N	122.997	E	33	N	4.4		0.6	8	TAIWAN REGION
	27	00 39 02.2?	41.22	N	24.77	E	10	G			1.8	5	GREECE-BULGARIA BORDER REGION
	27	01 08 52.9%	40.277	N	29.729	E	10	G			1.1	5	TURKEY
	27	01 14 18.8	24.817	N	123.292	E	33	N	4.4		0.6	7	SOUTHWESTERN RYUKYU ISLANDS
	27	01 17 06.0•	41.760	N	19.466	E	10	G			1.4	8	ALBANIA. ML 2.6 (TTG).
	27	04 04 55.0•	3.934	N	76.138	W	138	•	4.3		1.4	19	COLOMBIA. Felt at Armenia, Manizales and Pereira.
	27	04 18 50.2?	51.54	N	16.77	E	10	G			0.8	7	POLAND. ML 3.1 (VKA).
	27	06 05 33.2	3.521	N	76.454	W	146		4.6		1.2	41	COLOMBIA
	27	07 25 23.2	42.349	N	19.976	E	10	G			0.7	7	YUGOSLAVIA. MD 2.7 (PVY).
	27	07 25 25.3	45.099	N	14.745	E	10	G			1.0	40	YUGOSLAVIA. ML 3.9 (KBA), 3.8 (VKA). MD 3.7 (FIR), 3.7 (TRI). Felt (V) at Novi Vinodolski. Felt at Karlovac, Ogulin and Rijeka.
	27	07 26 39.2•	5 138	N	82.591	W	10	G	4.3	4.1	1.1	11	SOUTH OF PANAMA
	27	07 43 09.6	45 099	N	14.773	E	15				1.1	48	YUGOSLAVIA. ML 4.1 (TTG), 4.1 (VKA), 4.0 (KBA), 4.0 (LDG). MD 3.8 (TRI). Felt at Karlovac, Ogulin and Rijeka.
	27	08 07 11.4%	39.819	N	28.724	E	10	G			0.8	5	TURKEY
	27	08 14 40.4%	39.275	N	29.190	E	10	G			1.5	6	TURKEY
	27	08 16 36.7?	31.47	S	69.03	W	129	?			0.8	8	SAN JUAN PROVINCE, ARGENTINA
	27	09 19 43.6•	28.758	N	111.293	W	10	G	4.4		1.3	11	GULF OF CALIFORNIA
	27	11 41 56.1•	30.106	N	57.904	E	33	N	4.6		1.0	8	IRAN
o	27	11 58 19.4	14.456	S	178.041	W	33	N	5.7	5.9	1.0	211	FIJI ISLANDS REGION. Ms 6.0 (BRK), 5.7 (PAS).
	27	12 10 12.7&	48.266	N	121.733	W	2					5	WASHINGTON. <SEA>. ML 2.8 (NEIS), CL 2.9 (SEA). Felt at Darrington and Fortson.
	27	12 38 22.7?	31.24	S	68.12	W	109	?			1.0	7	SAN JUAN PROVINCE, ARGENTINA
	27	13 08 38.8	16.311	N	120.035	E	80		5.1		0.9	47	LUZON, PHILIPPINE ISLANDS
	27	13 19 23.9•	19.722	S	69.883	W	120	•	4.6		1.4	10	NORTHERN CHILE
	27	13 37 45.0	25.499	S	13.802	W	10	G	5.0	5.0	1.0	64	SOUTH ATLANTIC RIDGE
	27	13 48 31.0?	4.64	S	134.26	E	33	N	4.1		1.3	5	WEST IRIAN REGION
	27	16 16 12.3•	7.088	S	129.559	E	168	?	4.1		1.4	8	BANDA SEA
	27	16 46 27.7•	35.451	N	140.262	E	33	N			0.1	6	NEAR EAST COAST OF HONSHU, JAPAN
	27	19 51 50.0•	20.209	N	122.060	E	33	N	4.4		1.5	17	PHILIPPINE ISLANDS REGION
	27	20 51 28 4•	33.087	S	70.299	W	112	?			0.3	12	CHILE-ARGENTINA BORDER REGION
	27	20 56 49.3%	40.115	N	29.314	E	10	G			0.8	11	TURKEY
	27	21 25 16.4&	37.262	N	121.658	W	5	G				17	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Mo=1.8•10••20 (BRK).
	27	21 42 40.5	42.056	N	26.154	E	10	G	3.7		0.6	10	BULGARIA
	27	21 46 47.1?	35.42	N	1.52	E	10	G			1.1	6	ALGERIA
	27	22 42 36.6?	53.78	N	148.48	W	33	N	4.5		1.2	10	SOUTH OF ALASKA
	27	23 01 38.5	23.181	S	66.625	W	216		4.6		1.1	56	JUJUY PROVINCE, ARGENTINA
	27	23 46 41.7•	24.737	N	122.849	E	33	N	4.3		1.0	7	TAIWAN REGION
	27	23 55 18.3%	40.166	N	29.648	E	10	G			0.7	8	TURKEY
	28	01 59 17.6•	24.899	N	123.034	E	33	N	4.9		1.4	8	SOUTHWESTERN RYUKYU ISLANDS
	28	02 11 12.5•	16.489	S	28.610	E	10	G			0.9	5	ZAMBIA. MG 2.8 (BUL).
	28	02 56 23.2	36.386	N	6.708	E	10	G	4.5		1.3	16	ALGERIA. Felt at Constantine.
o	28	02 56 26.8	23.122	S	178.702	W	383	D	5.3		1.1	181	SOUTH OF FIJI ISLANDS
	28	02 57 25.9•	61.039	N	2.352	E	12				1.5	25	NORWEGIAN SEA. MD 3.4 (BER)
	28	03 48 34.7&	48.258	N	121.740	W	2					6	WASHINGTON. <SEA>. ML 3.1 (NEIS), CL 3.1 (SEA). Felt at Darrington.
	28	04 02 28.0•	24.703	N	122.703	E	33	N	4.4		1.3	7	TAIWAN REGION
	28	04 12 46.7&	48.260	N	121.734	W	2					8	WASHINGTON. <SEA>. ML 3.6 (NEIS), CL 3.6 (SEA). Felt (IV) at Darrington.
	28	04 26 27.8?	20.59	S	174 66	W	160	?	4.5		1.3	12	TONGA ISLANDS
	28	04 27 14.8•	24.897	N	123.360	E	33	N	4.6		0.9	6	SOUTHWESTERN RYUKYU ISLANDS
	28	05 01 00.4•	2.437	S	138.821	E	33	N	4.3		1.0	11	WEST IRIAN
	28	06 32 31.2%	39.251	N	27.679	E	10	G			0.5	7	TURKEY
	28	08 36 05.5?	43.76	N	19.54	E	10	G			0.5	5	YUGOSLAVIA. ML 2.8 (TTG).
	28	09 31 42.5•	24.340	S	67.225	W	198	•			1.1	8	CHILE-ARGENTINA BORDER REGION
	28	12 29 02.4?	16.67	S	36.06	E	10	G			0.6	5	MOZAMBIQUE. MG 3.3 (BUL).
	28	13 30 27.6?	51.17	N	19.98	E	10	G			1.5	6	POLAND. ML 2.9 (KRA).
	28	13 42 47.9?	51.39	N	15.96	E	10	G			1.0	7	POLAND. ML 3.5 (VKA).
	28	13 49 15.5	40.440	N	23.728	E	9		3.4		1.0	22	GREECE. ML 3.7 (ATH).
	28	14 56 26.5•	35.803	N	138.680	E	178		4.4		1.1	18	HONSHU, JAPAN
	28	14 58 20.1	43.084	N	0.579	W	10	G			0.3	8	PYRENEES
	28	15 24 51.8?	33.89	S	72.14	W	10	G			0.3	9	OFF COAST OF CENTRAL CHILE
o	28	16 03 05.9	5.956	S	149.604	E	88		5.6		1.1	169	NEW BRITAIN REGION
	28	16 14 18.8%	39.364	N	27.729	E	10	G			1.3	10	TURKEY
	28	17 46 58.1•	53.433	N	161.497	E	33	N	4.9		1.1	36	OFF EAST COAST OF KAMCHATKA
	28	18 02 20.0	9.089	S	118.797	E	104	•	5.0		1.4	44	SUMBAWA ISLAND REGION
	28	18 05 46.7?	30.80	N	79.17	E	33	N	4.2		1.3	7	TIBET-INDIA BORDER REGION
o	28	18 24 10 6	48.842	N	154.883	E	89	D	5.2		1.0	180	KURIL ISLANDS
	28	18 24 17.2?	21.62	S	66.83	W	257	•			0.5	6	SOUTHERN BOLIVIA
	28	18 45 28.7	30.143	S	69.325	W	26				1.3	17	CHILE-ARGENTINA BORDER REGION

	19	00	40.2%	44.270	N	6.884	E	10	G			0.8	6	FRANCE. ML 2.9 (LDG).
2.	21	19	22.9	1.538	S	78.863	W	164	D	4.9		0.8	81	ECUADOR
28	21	40	48.9&	57.923	N	153.976	W	105					23	KODIAK ISLAND REGION. <AGS-P>.
28	21	50	44.1	38.411	N	25.148	E	10	G	3.9		1.0	28	AEGEAN SEA. ML 3.9 (ATH).
28	23	32	42.7	38.414	N	25.181	E	10		4.2		0.7	36	AEGEAN SEA. ML 4.0 (ATH).
28	22	37	26.6	38.262	N	25.194	E	10	G			1.0	7	AEGEAN SEA. ML 3.1 (ATH).
28	23	19	04.0	38.371	N	25.257	E	10	G			1.2	14	AEGEAN SEA. ML 3.3 (ATH).
28	21	48	00.9%	39.464	N	27.324	E	10	G			0.2	5	TURKEY
28	23	57	46.2•	24.782	N	123.158	E	33	N	4.4		1.2	8	SOUTHWESTERN RYUKYU ISLANDS
29	00	56	14.0%	39.424	N	27.313	E	10	G			0.8	7	TURKEY
29	01	35	55.3%	39.225	N	29.524	E	10	G			1.5	7	TURKEY
29	01	56	51.3•	7.534	S	128.973	E	129	?	4.8		1.2	14	BANDA SEA
29	02	06	45.9	19.265	S	67.493	W	213		5.3		1.0	108	SOUTHERN BOLIVIA
29	02	56	09.0	38.353	N	25.186	E	11		3.8		0.9	11	AEGEAN SEA. ML 3.4 (ATH).
29	02	58	46.1	37.778	N	142.524	E	33	N	4.6		1.0	33	OFF EAST COAST OF HONSHU, JAPAN
29	03	08	29.3•	14.139	N	90.995	W	160				0.8	23	GUATEMALA
29	03	09	33.17	29.80	N	142.28	E	33	N	4.3		1.0	6	SOUTH OF HONSHU, JAPAN
29	03	42	12.1	8.870	N	126.853	E	47	•	4.8		1.3	38	MINDANAO, PHILIPPINE ISLANDS
29	04	14	39.3&	61.791	N	150.497	W	65					34	SOUTHERN ALASKA. <AGS-P>.
29	05	17	41.2•	5.182	N	125.357	E	214	•	4.7		1.4	26	MINDANAO, PHILIPPINE ISLANDS
29	05	19	06.6•	24.760	N	122.883	E	33	N	3.8		1.4	8	TAIWAN REGION
29	06	25	29.7•	18.264	S	26.291	E	10	G	4.1		1.4	9	ZIMBABWE. Felt at Hwange.
29	06	42	58.87	4.84	S	133.64	E	33	N	4.1		1.0	5	WEST IRIAN REGION
29	06	43	11.5%	39.567	N	29.863	E	10	G			0.8	9	TURKEY
29	06	44	47.5•	26.076	N	98.940	E	33	N	4.4		0.4	5	BURMA-CHINA BORDER REGION. ML 4.3 (KMI).
29	07	28	52.6&	59.961	N	150.333	W	55					38	KENAI PENINSULA, ALASKA. <AGS-P>.
29	08	19	21.9%	38.092	N	27.147	E	10	G			1.1	9	TURKEY
29	08	58	22.0%	39.315	N	28.959	E	10	G			1.2	8	TURKEY
29	09	27	45.3•	24.774	N	122.922	E	33	N	4.4		1.1	6	TAIWAN REGION
29	09	48	55.0	4.590	N	75.626	W	158		5.0		1.0	86	COLOMBIA. Felt at Armenia, Ibogue and Manizales.
29	10	00	33.3?	41.73	N	19.49	E	10	G			1.0	8	ALBANIA. ML 3.3 (HCY).
29	11	50	46.2	28.404	N	140.546	E	33	N	4.8		1.0	33	BONIN ISLANDS REGION
29	13	06	25.7&	31.997	N	116.265	W	8	G				3	BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
29	13	09	24.0&	48.760	N	121.734	W	2					5	WASHINGTON. <SEA>. ML 3.1 (NEIS), CL 3.3 (SEA). Felt at Darrington.
29	13	09	32.0&	31.993	N	116.262	W	8	G				3	BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
29	13	12	41.6%	40.184	N	29.917	E	10	G			1.1	11	TURKEY
29	13	22	57.9•	45.143	N	147.288	E	127	G	4.3		1.3	16	KURIL ISLANDS
29	13	25	49.1•	24.979	N	123.250	E	33	N	4.4		1.4	7	SOUTHWESTERN RYUKYU ISLANDS
29	13	36	59.4	38.431	N	25.160	E	10	G			0.9	11	AEGEAN SEA. ML 3.7 (ATH).
o 29	14	17	59.3	17.929	S	178.586	W	604		5.4		0.9	147	FIJI ISLANDS REGION
29	14	53	22.0•	38.425	N	25.113	E	10	G			1.9	5	AEGEAN SEA. ML 3.0 (ATH).
o 29	15	05	44.5	17.704	S	174.602	W	33	N	5.4 5.5		1.1	150	TONGA ISLANDS. Ms 5.6 (BRK), 5.6 (PAS).
29	16	02	00.27	30.63	S	71.31	W	33	N			0.5	5	NEAR COAST OF CENTRAL CHILE
29	16	24	04.2&	37.877	N	122.203	W	9					39	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=2.5•10••22 (BRK). Small items knocked from shelves in parts of Berkeley, broken display window at El Cerrito. Felt (V) at Albany, Alameda Naval Air Station, Concord, Martinez and Pleasant Hill. Felt (IV) at Alameda, Berkeley, Canyon, Danville, Diablo, El Cerrito, Hayward, Lafayette, Moraga, Oakland, Pacheco, Pinole, Port Costa, Richmond, Rodeo, Ross, San Leandro and San Pablo.
29	17	07	38.4?	34.23	N	70.39	E	33	N	3.6		0.1	5	AFGHANISTAN
29	17	37	07.2%	40.051	N	29.145	E	10	G			1.1	6	TURKEY
29	18	36	37.8	38.377	N	25.165	E	10	G	5.0 5.6		1.2	202	AEGEAN SEA. ML 5.3 (ATH). Felt on Khios and Evvoia and at Athens.
29	18	47	08.8•	38.278	N	25.284	E	10	G			1.5	6	AEGEAN SEA. ML 3.4 (ATH).
29	19	22	28.7	38.395	N	25.128	E	15		4.0		1.0	29	AEGEAN SEA. ML 4.0 (ATH).
29	20	27	17.3•	38.301	N	25.288	E	10	G			1.8	5	AEGEAN SEA. ML 3.0 (ATH).
29	20	45	09.1•	38.353	N	25.228	E	10	G			1.4	5	AEGEAN SEA. ML 3.0 (ATH).
29	20	56	57.1	38.475	N	25.126	E	13		3.5		1.2	33	AEGEAN SEA. ML 3.7 (ATH).
29	21	01	49.2	38.447	N	25.184	E	13				1.2	18	AEGEAN SEA. ML 3.6 (ATH).
29	21	15	07.0&	59.103	N	152.486	W	83					28	SOUTHERN ALASKA. <AGS-P>.
29	22	06	39.2•	38.539	N	24.971	E	10	G			0.2	5	AEGEAN SEA. ML 3.2 (ATH).
29	22	27	54.0	38.350	N	25.224	E	10	G	3.5		1.1	15	AEGEAN SEA. ML 3.4 (ATH).
29	22	36	45.0?	31.88	S	69.86	W	33	N			0.7	5	SAN JUAN PROVINCE, ARGENTINA
29	23	07	14.6•	26.954	N	140.023	E	554	?	4.6		0.6	15	BONIN ISLANDS REGION
29	23	22	57.1?	46.54	N	1.79	W	10	G			1.3	5	FRANCE. ML 2.7 (LDG).
29	23	37	29.6	38.502	N	25.132	E	10	G			1.2	17	AEGEAN SEA. ML 3.5 (ATH).
30	00	23	06.8•	38.614	N	24.937	E	10	G			1.0	5	AEGEAN SEA. ML 3.0 (ATH).
30	02	47	15.6	31.840	S	67.754	W	10	G			1.2	10	SAN JUAN PROVINCE, ARGENTINA
30	03	56	13.1	24.813	N	122.896	E	33	N	5.0		1.1	21	TAIWAN REGION
30	04	08	08.6?	0.89	S	127.87	E	50	G	3.9		1.5	7	HALMAHERA
30	04	16	42.2%	40.083	N	29.337	E	10	G			0.4	9	TURKEY
30	05	28	39.3	0.913	S	127.027	E	40	•	5.3		1.2	73	HALMAHERA
30	06	25	44.2%	39.948	N	28.014	E	10	G			1.3	13	TURKEY
30	08	17	57.2&	60.599	N	151.855	W	67					34	KENAI PENINSULA, ALASKA. <AGS-P>.
o 30	08	53	53.2	26.194	S	132.767	E	10	G	5.8 5.8		1.0	193	SOUTH AUSTRALIA. Ms 6.3 (PAS). Felt (VI). At least 7.5 km of surface faulting with maximum displacement 0.6 m observed in the Marryat Creek area.
30	09	36	25.7•	28.210	N	140.800	E	33	N	4.7		0.2	7	BONIN ISLANDS REGION
30	09	49	11.6?	33.84	S	71.94	W	20				0.5	9	NEAR COAST OF CENTRAL CHILE
30	10	08	06.7•	33.646	S	71.511	W	10	G			1.0	10	NEAR COAST OF CENTRAL CHILE
30	11	01	30.0	38.363	N	25.099	E	10	G	3.7		0.9	29	AEGEAN SEA. ML 3.8 (ATH).
30	11	25	44.2%	47.354	N	8.142	E	10	G			0.2	5	FRANCE. ML 2.2 (LDG).
30	11	40	24.8	38.484	N	25.109	E	10	G	3.6		1.1	21	AEGEAN SEA. ML 3.7 (ATH).
30	11	51	27.8•	5.829	N	126.149	E	143	•	4.4		1.3	10	MINDANAO, PHILIPPINE ISLANDS
30	12	10	42.9	42.358	N	20.806	E	10	G			0.7	8	YUGOSLAVIA. ML 2.9 (TTG).
30	12	24	18.7?	34.88	S	72.42	W	33	N			0.7	10	NEAR COAST OF CENTRAL CHILE
30	13	11	24.9?	15.90	N	60.80	W	33	N			0.2	6	LEEWARD ISLANDS. ML 2.7 (FDF).
30	13	36	14.8•	10.824	S	112.256	E	33	N	4.5		1.4	15	SOUTH OF JAVA
30	14	28	45.5?	34.14	S	72.61	W	33	N			0.9	16	NEAR COAST OF CENTRAL CHILE

	30	19	38	56.7?	16.49	N	93.76	W	33	N		1.0	5	CHIAPAS, MEXICO
	30	17	04	49.6*	33.999	S	72.388	W	22			1.1	19	OFF COAST OF CENTRAL CHILE
	30	17	14	24.1?	31.38	S	68.23	W	180	G		0.7	6	SAN JUAN PROVINCE, ARGENTINA
	30	18	03	31.5	5.898	S	131.746	E	71		5.4	1.1	86	BANDA SEA
	30	18	13	29.3	51.537	N	179.940	W	33	N	4.8	0.8	25	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	30	18	31	13.6	42.315	N	20.143	E	10	G		1.1	8	YUGOSLAVIA. ML 2.6 (TTG).
	30	20	31	05.3	38.984	N	44.632	E	33	N	4.4	1.1	15	TURKEY-IRAN BORDER REGION
	30	21	12	31.9%	45.814	N	26.679	E	94	?		0.9	8	ROMANIA
	30	22	03	58.2*	38.378	N	25.137	E	10	G		0.9	6	AEGEAN SEA. ML 3.3 (ATH).
	30	22	49	53.9?	5.25	S	34.78	E	10	G		1.2	9	TANZANIA
	30	23	02	15.9*	38.366	N	25.172	E	10	G		1.2	6	AEGEAN SEA. ML 3.1 (ATH).
	31	00	49	02.7?	45.78	N	26.58	E	156	?		0.7	8	ROMANIA
	31	01	09	03.9*	24.778	N	122.818	E	33	N	4.6	1.2	11	TAIWAN REGION
	31	01	14	03.9?	2.68	S	137.65	E	33	N	4.8	1.5	8	WEST IRIAN
	31	01	19	23.9	6.886	N	73.046	W	100	D	5.0	1.0	117	NORTHERN COLOMBIA. Felt in central and northeastern Colombia.
	31	01	45	03.8?	38.38	N	25.12	E	10	G		1.5	4	AEGEAN SEA. ML 3.3 (ATH).
	31	01	51	51.8	39.497	N	23.033	E	10	G	3.4	1.4	11	AEGEAN SEA. ML 3.5 (ATH).
	31	01	59	18.7*	14.541	S	76.689	W	33	N	4.3	1.3	10	NEAR COAST OF PERU. Felt (II) at Ica.
	31	02	05	43.3	38.415	N	25.117	E	22		4.3	0.9	42	AEGEAN SEA. ML 4.2 (ATH).
	31	02	45	05.0%	36.691	N	27.688	E	10	G		0.5	10	DODECANESE ISLANDS
	31	03	04	54.5*	38.314	N	25.217	E	10	G		1.5	5	AEGEAN SEA. ML 3.1 (ATH).
	31	03	08	40.8%	60.841	N	4.870	E	10	G		1.1	5	SOUTHERN NORWAY. MD 2.2 (BER).
	31	03	22	18.0	28.352	S	12.798	W	10	G	4.9 4.5	1.2	38	SOUTH ATLANTIC RIDGE
	31	04	04	59.6	37.466	N	121.709	W	10	G		0.9	12	CENTRAL CALIFORNIA. ML 2.5 (BRK). Mo=1.7*10**20 (BRK).
	31	04	14	13.3&	58.307	N	154.185	W	74				29	ALASKA PENINSULA. <AGS-P>.
	31	04	23	34.6&	59.143	N	152.572	W	64				25	SOUTHERN ALASKA. <AGS-P>.
	31	04	26	33.8?	43.27	N	26.29	E	10	G		1.6	5	BULGARIA
	31	05	08	53.3	38.408	N	25.179	E	10	G	3.8	0.9	30	AEGEAN SEA. ML 4.0 (ATH).
	31	06	43	23.6?	14.65	N	60.65	W	143	?		0.3	10	WINDWARD ISLANDS
	31	07	08	50.0	17.226	S	167.390	E	33	N	5.0	1.1	23	VANUATU ISLANDS
	31	07	45	56.9*	17.131	S	167.564	E	33	N	4.4	1.4	8	VANUATU ISLANDS
	31	09	30	26.5	13.879	N	91.985	W	33	N	4.4	1.0	25	NEAR COAST OF GUATEMALA
	31	09	31	58.9&	61.751	N	151.954	W	111				37	SOUTHERN ALASKA. <AGS-P>.
	31	09	52	54.3%	38.988	N	27.575	E	10	G		1.2	5	TURKEY
	31	10	02	40.8?	17.32	S	167.81	E	74	*	4.3	0.3	6	VANUATU ISLANDS
	31	10	40	05.2*	42.313	N	18.924	E	10	G		0.2	5	YUGOSLAVIA. ML 2.2 (TTG).
	31	10	48	16.4	46.193	N	2.867	E	10	G		0.2	11	FRANCE. ML 2.9 (LDG).
	31	11	09	08.2	42.302	N	18.898	E	10	G		1.0	6	YUGOSLAVIA. ML 2.5 (TTG).
o	31	11	55	40.0&	37.483	N	121.690	W	8		5.5 5.5		196	CENTRAL CALIFORNIA. <BRK> ML 5.7 (BRK). Mo=2.6*10**24 (BRK). Six people were treated for minor injuries. Slight damage (VI) in the Fremont area and power outages in parts of Fremont and San Jose. Felt (V) at many cities in the southern San Francisco Bay area including Alameda, Cupertino, Milpitas, Mountain View, Palo Alto, Pleasanton, Redwood City, San Jose, San Leandro, Santa Clara, Sunnyvale and Union City. Felt throughout much of central California from Santa Rosa to San Luis Obispo and east to Yosemite National Park.
	31	11	58	39.0&	37.483	N	121.683	W	8	G			3	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Most readings lost in coda, assumed location of main shock.
	31	12	03	18.3	37.461	N	121.730	W	8	G		0.1	7	CENTRAL CALIFORNIA. ML 2.5 (BRK). Mo=1.4*10**20 (BRK)
	31	12	03	45.7	37.498	N	121.717	W	8	G		0.2	7	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=2.7*10**20 (BRK).
	31	12	17	48.4&	37.507	N	121.688	W	8				15	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=4.2*10**20 (BRK).
	31	12	36	50.5*	37.500	S	94.278	W	10	G	4.4	0.9	11	WEST CHILE RISE
	31	12	39	24.0&	37.465	N	121.700	W	8				15	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=7.8*10**20 (BRK).
	31	13	01	19.0	5.059	S	151.851	E	126		5.3	0.9	45	NEW BRITAIN REGION
	31	13	05	38.2&	37.513	N	121.688	W	7				18	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=3.9*10**21 (BRK).
	31	13	39	13.9	37.454	N	121.698	W	8	G		0.9	13	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=2.4*10**20 (BRK).
	31	14	20	14.6&	37.470	N	121.697	W	8				16	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=4.6*10**20 (BRK).
	31	14	35	49.7*	3.117	S	129.155	E	82	*	4.9	1.2	21	CERAM
	31	14	41	42.4*	24.323	S	68.113	W	162	*		0.4	9	CHILE-ARGENTINA BORDER REGION
	31	15	17	17.0	37.493	N	121.670	W	8	G		0.4	11	CENTRAL CALIFORNIA. ML 2.5 (BRK). Mo=5.9*10**19 (BRK).
	31	15	19	26.6	12.192	N	143.697	E	29		5.2	1.0	29	SOUTH OF MARIANA ISLANDS
	31	15	24	33.3*	24.147	S	178.539	W	402	*	4.6	1.1	18	SOUTH OF FIJI ISLANDS
	31	15	25	10.8	37.492	N	121.687	W	8	G		0.5	12	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=3.6*10**20 (BRK).
	31	16	18	13.0	37.470	N	121.694	W	8	G		0.7	13	CENTRAL CALIFORNIA. ML 2.7 (BRK). Mo=1.3*10**20 (BRK).
	31	16	30	44.1*	35.299	N	136.940	E	313		3.8	0.6	14	SOUTHERN HONSHU, JAPAN
	31	17	12	38.6	37.474	N	121.697	W	8	G		0.7	12	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=1.1*10**20 (BRK).
	31	17	51	35.3	31.323	S	67.985	W	10	G		0.4	8	SAN JUAN PROVINCE, ARGENTINA
	31	18	10	57.3%	15.488	N	61.340	W	113	?		0.4	10	LEEWARD ISLANDS
	31	18	15	18.9*	44.079	N	128.319	W	10	G	3.9	0.7	8	OFF COAST OF OREGON
	31	19	41	15.3	37.481	N	121.689	W	8	G		0.5	12	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=1.0*10**20 (BRK).
	31	20	39	44.3	7.973	S	74.359	W	154	D	4.9	0.8	67	PERU-BRAZIL BORDER REGION
	31	21	01	16.3	34.894	N	61.247	W	10	G	4.7	1.3	40	NORTH ATLANTIC OCEAN
	31	21	11	58.6%	48.339	N	1.472	W	10	G		0.6	5	FRANCE. ML 2.9 (LDG).
	31	21	21	53.4	37.450	N	121.694	W	8	G		0.5	12	CENTRAL CALIFORNIA. ML 2.6 (BRK). Mo=6.5*10**19 (BRK).
	31	21	30	08.6	37.477	N	121.683	W	8	G		0.9	14	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=4.5*10**20 (BRK).
	31	21	54	05.7	38.594	N	73.520	E	33	N	5.1	0.9	93	TAJIK-XINJIANG BORDER REGION. Felt (III) at Murgob, USSR.
	31	22	46	21.9*	40.231	N	124.168	W	10	G		0.1	6	NEAR COAST OF NORTHERN CALIF. ML 2.6 (BRK).
	31	23	18	53.1?	15.46	S	34.46	E	10	G		1.3	4	MALAWI. MG 3.9 (BUL). Felt at Bvumbwe.
	31	23	36	39.3	42.339	N	19.852	E	10	G		0.7	8	YUGOSLAVIA. ML 2.5 (TTG).
	31	23	44	31.3	34.641	N	24.618	E	42	*	4.3	1.1	69	CRETE. ML 4.2 (ATH)
	31	23	57	01.1	21.113	S	69.221	W	117	*	4.6	1.3	21	NORTHERN CHILE
	31	23	57	47.7%	40.489	N	27.514	E	10	G		0.4	5	TURKEY

ADDITIONAL SOURCE PARAMETERS

01 08 47 42.05 62.687S 155.111E 10km
4.9mb (5 obs.) 5.1Msz (2 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 36C
Centroid Location:
Origin Time 08:47:51.2 0.2
Lat 62.51S 0.03 Lon 155.02E 0.06
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Val= 6.25 Plg= 2 Azm=196
N -0.19 68 101
P -6.06 22 287
Best Double Couple:Mo=6.2*10**24
NP1:Strike=330 Dip=73 Slip= -15
NP2: 64 76 -162

01 16 41 40.64 6.300S 130.949E 80km
5.6mb (29 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 34C
Centroid Location:
Origin Time 16:41:45.1 0.3
Lat 6.51S 0.04 Lon 130.82E 0.04
Dep 104.6 1.9 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.61 Plg=23 Azm=241
N 0.03 66 51
P -2.64 4 149
Best Double Couple:Mo=2.6*10**24
NP1:Strike=283 Dip=71 Slip= 166
NP2: 17 76 20

02 03 14 41.81 51.678N 156.936E 118km
5.6mb (81 obs.)
KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 38C
Centroid Location:
Origin Time 03:14:46.5 0.3
Lat 51.54N 0.03 Lon 157.26E 0.06
Dep 126.3 1.5 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.39 Plg=23 Azm=105
N -0.01 11 200
P -3.38 64 314
Best Double Couple:Mo=3.4*10**24
NP1:Strike=175 Dip=24 Slip=-117
NP2: 24 69 -78

02 05 40 12.11 50.789N 179.176E 33km
5.4mb (77 obs.) 5.3Msz (20 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 35C
Centroid Location:
Origin Time 05:40:14.0 0.2
Lat 50.78N 0.03 Lon 179.00E 0.04
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.49 Plg=14 Azm= 15
N -0.04 75 221
P -4.45 6 107
Best Double Couple:Mo=4.5*10**24
NP1:Strike=152 Dip=76 Slip= 5
NP2: 60 85 166

02 07 09 27.45 38.471N 142.296E 39km
5.6mb (87 obs.) 5.7Msz (11 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 07:09:31.3 0.2
Lat 38.47N 0.04 Lon 142.00E 0.06
Dep 30.0 2.6 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 6.66 Plg=47 Azm= 14
N -0.20 14 269
P -6.46 40 167
Best Double Couple:Mo=6.6*10**24
NP1:Strike=194 Dip=14 Slip= 15
NP2: 89 86 104

03 01 24 05.46 41.967N 20.292E 19km
5.0mb (32 obs.) 5.0Msz (1 obs.)
ALBANIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 01:24: 5.7 1.2
Lat 42.04N 0.13 Lon 19.75E 0.24
Dep 23.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**23 D-CM
T Val= 2.49 Plg=13 Azm= 31
N 1.48 22 126
P -3.97 64 273
Best Double Couple:Mo=3.2*10**23
NP1:Strike= 94 Dip=38 Slip=-128
NP2: 319 61 -65

04 08 47 14.60 51.553N 166.943W 33km
5.6mb (87 obs.) 4.6Msz (7 obs.)
ALEUTIAN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 08:47:12.8 0.5
Lat 51.42N 0.05 Lon 167.21W 0.10
Dep 37.9 3.4 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.78 Plg= 3 Azm=331
N -0.41 10 241
P -1.38 80 78
Best Double Couple:Mo=1.6*10**24
NP1:Strike= 72 Dip=43 Slip= -76
NP2: 232 49 -103

05 08 25 08.77 26.565S 178.285E 613km
5.3mb (43 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 08:25:16.1 0.8
Lat 26.44S 0.07 Lon 178.16E 0.07
Dep 634.9 3.7 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 13.61 Plg=58 Azm= 73
N 1.94 28 222
P -15.54 14 320
Best Double Couple:Mo=1.5*10**24
NP1:Strike= 82 Dip=40 Slip= 137
NP2: 207 64 59

05 15 47 06.88 18.813S 169.685E 287km
5.6mb (57 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=170 Dip=69 Slip= 28
NP2: 69 64 157
Principal Axes:
T Plg=34 Azm= 31
P 3 299
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 309 No. of sta: 7
Principal Axes:
Scale 10**25 d-cm
T Val= 1.18 Plg=16 Azm= 40
N 0.02 74 221
P -1.20 0 130
Best Double Couple:Mo=1.2*10**25
NP1:Strike=177 Dip=78 Slip= 12
NP2: 84 79 168
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C
Centroid Location:
Origin Time 15:47:12.2 0.3
Lat 18.91S 0.03 Lon 169.66E 0.03
Dep 292.3 1.0 Half-duration 4.2
Principal Axes:
Scale 10**25 D-CM
T Val= 1.82 Plg=42 Azm= 38
N -0.35 48 212
P -1.47 3 306
Best Double Couple:Mo=1.6*10**25
NP1:Strike= 73 Dip=59 Slip= 150
NP2: 188 64 35

06 00 05 38.35 40.368N 51.555E 33km
6.2mb (95 obs.) 6.3Msz (20 obs.)
CASPIAN SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=296 Dip=87 Slip= -90
NP2: 116 3 -90
Principal Axes:
T Plg=42 Azm= 26
P 48 206
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 41 No. of sta: 17
Principal Axes:
Scale 10**25 d-cm
T Val= 6.18 Plg=39 Azm= 38
N 0.03 16 294
P -6.13 48 186
Best Double Couple:Mo=6.1*10**25
NP1:Strike=191 Dip=17 Slip= -12
NP2: 293 87 -106
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 49C M.W.: 9S, 17C
Centroid Location:
Origin Time 00:05:49.1 0.2
Lat 40.33N 0.03 Lon 51.60E 0.03
Dep 35.0 BDY Half-duration 6.0
Principal Axes:
Scale 10**25 D-CM
T Val= 6.51 Plg=42 Azm= 26
N -0.23 4 119
P -6.28 48 214
Best Double Couple:Mo=6.4*10**25
NP1:Strike= 67 Dip= 5 Slip=-142
NP2: 300 87 -86

06 04 08 18.81 56.286N 153.524W 33km
5.3mb (63 obs.) 5.0Msz (4 obs.)
KODIAK ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 04:08:20.7 0.7
Lat 56.11N 0.09 Lon 153.38W 0.13
Dep 22.7 6.8 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.76 Plg=62 Azm=333
N 0.22 5 234
P -1.98 28 142
Best Double Couple:Mo=1.9*10**24
NP1:Strike=220 Dip=18 Slip= 75
NP2: 56 73 95

06 12 31 24.08 7.000S 155.781E 72km
5.9mb (47 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=125 Dip=60 Slip= 90
NP2: 305 30 90
Principal Axes:
T Plg=75 Azm= 35
P 15 215
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 46 No. of sta: 9
Principal Axes:

Scale 10**24 d-cm
T Val= 6.42 Plg=74 Azm=195
N -0.09 15 314
P -6.34 6 46
Best Double Couple:Mo=6.4*10**24
NP1:Strike=152 Dip=42 Slip= 114
NP2: 302 52 70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 32C
Centroid Location:
Origin Time 12:31:27.2 0.3
Lat 6.90S 0.03 Lon 155.58E 0.05
Dep 57.6 2.8 Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 6.88 Plg=83 Azm=101
N 0.18 5 329
P -7.06 5 238
Best Double Couple:Mo=7.0*10**24
NP1:Strike=323 Dip=40 Slip= 82
NP2: 153 50 96

06 12 34 56.02 21.161S 169.966E 125km
5.8mb (19 obs.)
LOYALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=283 Dip=71 Slip= 90
NP2: 23 19 90
Principal Axes:
T Plg=64 Azm=113
P 26 293
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

07 02 46 52.03 4.990S 151.710E 116km
6.0mb (56 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=90 Slip=-140
NP2: 75 50 -360
Principal Axes:
T Plg=27 Azm=292
P 27 38
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 102 No. of sta: 5
Principal Axes:
Scale 10**25 d-cm
T Val= 5.04 Plg=52 Azm=289
N -0.04 22 167
P -5.00 29 64
Best Double Couple:Mo=5.0*10**25
NP1:Strike=110 Dip=26 Slip= 30
NP2: 352 77 112
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 47C M.W.: 13S, 26C
Centroid Location:
Origin Time 02:46:58.4 0.2
Lat 5.19S 0.02 Lon 151.91E 0.02
Dep 100.9 1.1 Half-duration 6.0
Principal Axes:
Scale 10**25 D-CM
T Val= 4.61 Plg=57 Azm=292
N -0.01 19 170
P -4.60 26 71
Best Double Couple:Mo=4.6*10**25
NP1:Strike=124 Dip=25 Slip= 41
NP2: 356 74 110

09 08 41 56.68 8.217S 111.693E 117km
5.2mb (23 obs.)
JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 08:41:57.6 0.7
Lat 8.52S 0.09 Lon 111.46E 0.07
Dep 116.0 4.2 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 11.04 Plg=69 Azm=202
N -0.17 20 37
P -10.88 5 305
Best Double Couple:Mo=1.1*10**24
NP1:Strike= 14 Dip=44 Slip= 68
NP2: 233 53 116

09 12 25 06.43 32.390N 141.100E 78km
5.2mb (78 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 12:25: 5.6 0.8
Lat 32.47N 0.08 Lon 140.98E 0.08
Dep 48.1 9.1 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 8.91 Plg=24 Azm=265
N -0.62 8 172
P -8.29 65 63
Best Double Couple:Mo=8.6*10**23
NP1:Strike= 12 Dip=23 Slip= -68
NP2: 168 69 -99

09 13 49 28.24 54.256N 167.864W 33km
5.2mb (47 obs.) 5.5Msz (10 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 40C
Centroid Location:
Origin Time 13:49:29.4 0.2
Lat 54.43N 0.03 Lon 168.22W 0.04
Dep 34.6 3.6 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.52 Plg= 2 Azm=245
N -0.01 87 25
P -4.50 2 155
Best Double Couple:Mo=4.5*10**24
NP1:Strike=290 Dip=87 Slip= 180
NP2: 20 90 3

11 23 07 38.28 36.482N 70.660E 206km
5.3mb (77 obs.)
HINDU KUSH REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 34C
Centroid Location:
Origin Time 23:07:40.4 0.3
Lat 36.36N 0.05 Lon 70.34E 0.04
Dep 207.6 2.4 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.19 Plg=60 Azm= 0
N -0.03 1 268
P -2.15 30 178
Best Double Couple:Mo=2.2*10**24
NP1:Strike=264 Dip=15 Slip= 86
NP2: 89 75 91

12 22 04 19.81 24.112S 66.803W 206km
5.3mb (37 obs.)
SALTA PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 22:04:27.6 0.5
Lat 23.92S 0.06 Lon 67.06W 0.07
Dep 210.7 3.1 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.29 Plg=30 Azm= 91
N -0.13 2 182
P -1.15 60 274
Best Double Couple:Mo=1.2*10**24
NP1:Strike=176 Dip=15 Slip= -96
NP2: 2 75 -88

13 05 36 28.84 7.059S 155.618E 66km
5.7mb (33 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Location:
Origin Time 05:36:31.9 0.2
Lat 7.29S 0.02 Lon 155.70E 0.02
Dep 53.6 1.8 Half-duration 4.1
Principal Axes:
Scale 10**25 D-CM
T Val= 1.58 Plg=70 Azm=127
N 0.18 20 318
P -1.86 3 224
Best Double Couple:Mo=1.8*10**25
NP1:Strike=295 Dip=48 Slip= 82
NP2: 152 51 110

13 08 41 21.40 26.283N 100.895E 29km
5.4mb (85 obs.) 4.8Msz (2 obs.)
YUNNAN PROVINCE, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 08:41:22.1 1.1
Lat 25.45N 0.14 Lon 101.02E 0.11
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 11.99 Plg=21 Azm=250
N -1.32 8 342
P -10.67 69 87
Best Double Couple:Mo=1.1*10**24
NP1:Strike=330 Dip=25 Slip=-104
NP2: 165 66 -84

14 04 15 58.52 10.687S 27.640E 10km
5.3mb (40 obs) 4.8Msz (1 obs.)
ZAIRE REPUBLIC
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 04:16: 4.1 1.2
Lat 10.53S 0.18 Lon 27.17E 0.16
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 2.94 Plg=13 Azm=129
N 0.55 8 221
P -3.49 75 343
Best Double Couple:Mo=3.2*10**23
NP1:Strike=208 Dip=33 Slip=-105
NP2: 46 58 -80

14 08 42 15.24 43.995N 147.627E 82km
5.7mb (74 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 08:42:16.1 0.3
Lat 43.79N 0.03 Lon 147.34E 0.06
Dep 78.3 3.1 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.17 Plg=28 Azm=336
N 0.12 28 235
P -2.29 54 115
Best Double Couple:Mo=2.2*10**24
NP1:Strike=107 Dip=25 Slip= -35
NP2: 230 76 -111

14 10 30 50.37 46.975S 12.953W 10km
5.4mb (19 obs.) 5.8Msz (4 obs.)
SOUTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 43C
Centroid Location:
Origin Time 10:30:57.1 0.2
Lat 47.24S 0.02 Lon 12.13W 0.03
Dep 15.0 FIX Half-duration 3.9
Principal Axes:
Scale 10**25 D-CM
T Val= 1.28 Plg= 0 Azm=211
N -0.19 90 180
P -1.09 0 121
Best Double Couple:Mo=1.2*10**25
NP1:Strike=256 Dip=90 Slip= 180
NP2: 346 90 0

14 16 55 52.98 30.870S 176.559W 42km
5.4mb (35 obs.) 6.1Msz (18 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 39C
Centroid Location:
Origin Time 16:55:57.0 0.2
Lat 30.17S 0.02 Lon 176.29W 0.02
Dep 15.0 FIX Half-duration 4.5

Principal Axes:
Scale 10**25 D-CM
T Val= 2.22 Plg= 3 Azm=283
N -0.35 11 193
P -1.87 78 29
Best Double Couple:Mo=2.1*10**25
NP1:Strike= 25 Dip=43 Slip= -73
NP2: 183 49 -105

14 21 28 27.37 54.753S 23.833W 33km
5.5mb (9 obs.) 4.7Msz (2 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 21:28:32.9 0.5
Lat 54.88S 0.07 Lon 2[illegible]07W 0.11
Dep 15.0 FIX Half-du[illegible]on 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 10.51 Plg=17 Azm=204
N 1.83 68 63
P -12.34 13 298
Best Double Couple:Mo=1.1*10**24
NP1:Strike=342 Dip=88 Slip= 3
NP2: 250 87 158

15 05 01 24.62 17.429S 178.865W 572km
5.2mb (26 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L.P.B.: 11S, 16C
Centroid Location:
Origin Time 05:01:30.8 1.0
Lat 17.55S 0.13 Lon 178.84W 0.12
Dep 577.6 5.2 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.04 Plg= 5 Azm=326
N 0.21 84 105
P -1.25 4 236
Best Double Couple:Mo=1.1*10**24
NP1:Strike= 11 Dip=84 Slip= 180
NP2: 101 90 6

15 11 29 44.38 18.989S 67.391W 243km
5.6mb (83 obs.)
BOLIVIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 51C
Centroid Location:
Origin Time 11:29:50.4 0.2
Lat 18.91S 0.02 Lon 67.35W 0.03
Dep 241.3 0.9 Half-duration 5.2
Principal Axes:
Scale 10**25 D-CM
T Val= 3.19 Plg= 5 Azm=137
N 0.03 35 43
P -3.22 55 235
Best Double Couple:Mo=3.2*10**25
NP1:Strike=259 Dip=58 Slip= -42
NP2: 19 59 -132

15 18 32 10.79 55.931S 27.429W 90km
5.9mb (26 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 37C
Centroid Location:
Origin Time 18:32:14.2 0.3
Lat 55.82S 0.03 Lon 26.93W 0.09
Dep 81.3 1.6 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.11 Plg=78 Azm=146
N 0.53 28 308
P -3.64 6 40
Best Double Couple:Mo=3.4*10**24
NP1:Strike=150 Dip=43 Slip= 120
NP2: 293 54 66

17 09 18 25.26 27.421N 139.866E 476km
5.5mb (77 obs.)
BONIN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 09:18:26.9 0.2
Lat 27.37N 0.03 Lon 139.81E 03
Dep 457.7 1.8 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.81 Plg= 7 Azm= 61
N -0.81 29 155
P -4.00 60 318
Best Double Couple:Mo=4.8*10**24
NP1:Strike=122 Dip=45 Slip=-133
NP2: 355 59 -55

19 21 28 01.92 12.413N 141.762E 43km
5.4mb (29 obs.) 5.0Msz (4 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 21:28: 3.3 0.4
Lat 12.40N 0.05 Lon 141.68E 0.07
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.08 Plg=17 Azm=343
N -0.09 12 249
P -2.00 69 127
Best Double Couple:Mo=2.0*10**24
NP1:Strike= 91 Dip=30 Slip= -66
NP2: 243 63 -103

21 21 35 35.83 7.455S 120.646E 614km
5.5mb (35 obs.)
FLORES SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 21:35:39.0 0.6
Lat 7.57S 0.05 Lon 120.74E 0.06
Dep 628.4 5.0 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.77 Plg=18 Azm= 92
N -0.11 19 356
P -1.66 64 223
Best Double Couple:Mo=1.7*10**24
NP1:Strike=209 Dip=32 Slip= -52
NP2: 347 66 -111

21 23 56 18.60 54.284N 121.854W 18km
5.4mb (63 obs.) 5.2Msz (5 obs.)
BRITISH COLUMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 23:56: 9.8 1.6
Lat 53.64N 0.13 Lon 121.86W 0.12
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.15 Plg=56 Azm= 71
N 0.15 27 293
P -2.30 19 192
Best Double Couple:Mo=2.2*10**24
NP1:Strike=246 Dip=35 Slip= 38
NP2: 124 69 119

22 04 45 32.87 23.422N 121.565E 45km
5.6mb (55 obs.) 5.5Msz (4 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 04:45:34.4 0.2
Lat 23.11N 0.03 Lon 121.43E 0.03
Dep 32.8 1.6 Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM
T Val= 8.49 Plg=67 Azm=216
N -0.04 22 20
P -8.44 6 113
Best Double Couple:Mo=8.5*10**24
NP1:Strike=226 Dip=44 Slip= 123
NP2: 3 55 62

22 10 31 07.38 24.753N 122.921E 33km
5.3mb (34 obs.) 5.7Msz (1 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 10:31: 5.3 0.7
Lat 24.77N 0.10 Lon 122.65E 0.15
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.32 Plg=18 Azm= 16
N 1.07 34 114
P -3.39 54 272
Best Double Couple:Mo=2.9*10**24
NP1:Strike= 72 Dip=45 Slip=-141
NP2: 313 64 -52

22 11 19 36.19 24.681N 122.778E 33km
5.4mb (21 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 11:19:33.1 0.9
Lat 24.70N FIX;Lon 122.79E FIX
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 3.09 Plg=20 Azm= 3
N -0.94 69 172
P -2.14 4 272
Best Double Couple:Mo=2.6*10**24
NP1:Strike= 45 Dip=73 Slip= 168
NP2: 139 79 17

22 12 06 33.68 24.669N 122.814E 33km
5.4mb (37 obs.) 5.7Msz (4 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 12:06:31.2 0.6
Lat 25.03N 0.09 Lon 122.31E 0.14
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 5.42 Plg=15 Azm=192
N -0.13 30 93
P -5.29 56 286
Best Double Couple:Mo=5.4*10**24
NP1:Strike=317 Dip=40 Slip= -39
NP2: 79 66 -123

22 14 27 17.75 24.726N 123.015E 33km
4.9mb (10 obs.) 5.5Msz (1 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 17C
Centroid Location:
Origin Time 14:27:17.9 1.1
Lat 24.46N 0.16 Lon 122.66E 0.19
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 11.42 Plg=25 Azm=355
N 2.28 1 86
P -13.70 65 179
Best Double Couple:Mo=1.3*10**24
NP1:Strike= 82 Dip=20 Slip= -94
NP2: 266 70 -88

22 16 56 51.77 4.377S 104.701W 10km
5.4mb (23 obs.) 5.9Msz (7 obs.)
NORTHERN EASTER I. CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 39C
Centroid Location:
Origin Time 16:56:58.0 0.2
Lat 4.54S 0.03 Lon 104.71W 0.02
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**25 D-CM
T Val= 1.61 Plg= 4 Azm=139
N -0.22 84 268
P -1.39 4 49
Best Double Couple:Mo=1.5*10**25
NP1:Strike=184 Dip=84 Slip=-179
NP2: 94 89 -6

22 18 45 32.74 24.812N 123.212E 33km
5.2mb (14 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 8S, 14C
Centroid Location:
Origin Time 18:45:34.4 1.5
Lat 24.76N FIX;Lon 123.24E FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	8.87	1	185
N	-0.52	31	276
P	-8.35	59	94

Best Double Couple:Mo=8.6*10**23

	Strike=	Dip=	Slip=
NP1:	248	52	-131
NP2:	123	54	-50

23 11 47 38.77 26.710S 70.938W 62km
5.4mb (20 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 11:47:46.7 0.8
Lat 26.03S 0.11 Lon 70.85W 0.15
Dep 98.5 8.2 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	11.83	24	133
N	-2.85	0	43
P	-8.98	66	313

Best Double Couple:Mo=1.0*10**24

	Strike=	Dip=	Slip=
NP1:	223	21	-90
NP2:	43	69	-90

23 13 15 39.88 0.844N 26.220W 10km
4.8mb (22 obs.) 5.0Msz (2 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 13:15:48.8 1.1
Lat 0.92N 0.10 Lon 25.68W 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	6.44	2	224
N	-0.73	77	322
P	-5.72	13	134

Best Double Couple:Mo=6.1*10**23

	Strike=	Dip=	Slip=
NP1:	270	79	-172
NP2:	178	82	-11

24 02 01 28.92 28.541N 130.009E 26km
5.6mb (85 obs.) 5.9Msz (11 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 35C
Centroid Location:
Origin Time 02:01:35.2 0.1
Lat 28.36N 0.02 Lon 129.86E 0.03
Dep 15.0 FIX Half-duration 4.5
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	2.71	56	318
N	0.11	3	222
P	-2.82	34	130

Best Double Couple:Mo=2.8*10**25

	Strike=	Dip=	Slip=
NP1:	206	12	73
NP2:	43	79	94

24 10 33 57.55 14.132N 91.318W 67km
5.1mb (22 obs.)
GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 10:34: 0.2 0.7
Lat 14.29N 0.09 Lon 91.59W 0.09
Dep 84.7 4.5 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	10.27	65	66
N	2.52	15	301
P	-12.79	20	206

Best Double Couple:Mo=1.2*10**24

	Strike=	Dip=	Slip=
NP1:	272	28	57
NP2:	128	66	106

24 19 31 39.34 2.488S 138.696E 29km
5.8mb (43 obs.) 6.8Msz (18 obs.)
WEST IRIAN
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	85	73	7
NP2:	353	83	163

Principal Axes:

	Plg=	Azm=
T	17	308
P	7	40

Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 19 No. of sta: 8
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	9.35	15	316
N	-0.18	75	141
P	-9.17	1	48

Best Double Couple:Mo=9.3*10**25

	Strike=	Dip=	Slip=
NP1:	92	78	10
NP2:	0	88	168

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 43C M.W.: 12S, 25C
Centroid Location:
Origin Time 19:31:48.4 0.2
Lat 2.34S 0.02 Lon 138.65E 0.02
Dep 15.0 FIX Half-duration 8.0
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	9.13	31	309
N	3.88	39	190
P	-13.01	35	64

Best Double Couple:Mo=1.1*10**26

	Strike=	Dip=	Slip=
NP1:	94	39	-4
NP2:	188	87	-129

25 01 41 34.61 38.354N 25.145E 4km
5.2mb (33 obs.) 5.5Msz (6 obs.)
AEGEAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 01:41:42.9 0.8
Lat 38.54N 0.12 Lon 25.14E 0.11
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.60	14	31
N	0.80	62	273
P	-2.40	24	128

Best Double Couple:Mo=2.0*10**24

	Strike=	Dip=	Slip=
NP1:	188	63	-7
NP2:	281	84	-152

25 08 00 05.91 22.061S 176.665W 192km
5.1mb (26 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 16C
Centroid Location:
Origin Time 08:00:10.1 0.8
Lat 22.15S 0.11 Lon 176.78W 0.10
Dep 189.0 3.4 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.16	48	115
N	0.07	2	208
P	-1.23	42	300

Best Double Couple:Mo=1.2*10**24

	Strike=	Dip=	Slip=
NP1:	64	4	126
NP2:	208	87	88

25 12 13 47.02 24.817N 123.160E 31km
5.1mb (19 obs.) 5.0Msz (1 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 12:13:44.6 0.7
Lat 24.77N 0.11 Lon 123.07E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	6.46	15	183
N	-0.36	2	273
P	-6.10	75	10

Best Double Couple:Mo=6.3*10**23

	Strike=	Dip=	Slip=
NP1:	270	30	-93
NP2:	94	60	-88

25 17 10 57.56 6.248S 104.159E 47km
5.5mb (30 obs.) 5.7Msz (12 obs.)
SUNDA STRAIT
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 17:10:58.8 0.5
Lat 6.75S 0.04 Lon 103.77E 0.04
Dep 36.4 2.8 Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	4.37	72	21
N	1.34	1	115
P	-5.70	18	205

Best Double Couple:Mo=5.0*10**24

	Strike=	Dip=	Slip=
NP1:	297	27	93
NP2:	114	63	89

26 07 04 51.88 34.822S 72.005W 49km
5.0mb (17 obs.) 5.1Msz (2 obs.)
NEAR COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Location:
Origin Time 07:04:53.9 0.5
Lat 34.07S 0.05 Lon 72.22W 0.06
Dep 37.6 3.7 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.83	69	81
N	0.11	3	178
P	-1.94	21	269

Best Double Couple:Mo=1.9*10**24

	Strike=	Dip=	Slip=
NP1:	5	24	97
NP2:	177	66	87

26 14 26 19.45 14.265S 167.296E 202km
5.0mb (15 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 14:26:25.8 1.3
Lat 14.19S 0.15 Lon 166.98E 0.13
Dep 203.1 4.8 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	6.25	57	158
N	-0.31	32	321
P	-5.94	8	56

Best Double Couple:Mo=6.1*10**23

	Strike=	Dip=	Slip=
NP1:	178	47	137
NP2:	300	60	52

26 21 49 57.28 56.366S 26.571W 111km
5.7mb (19 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	308	80	90
NP2:	128	10	90

Principal Axes:

	Plg=	Azm=
T	55	218
P	35	38

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 21:50: 1.3 0.6
Lat 56.70S 0.05 Lon 26.13W 0.17
Dep 82.6 3.6 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	4.51	23	187
N	-1.13	33	293
P	-3.39	48	69

Best Double Couple:Mo=3.9*10**24

	Strike=	Dip=	Slip=
NP1:	233	37	-156
NP2:	123	76	-56

26 22 06 57.66 7.125S 71.638W 609km
5.8mb (86 obs.)
WESTERN BRAZIL

FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=65 Slip=-114
NP2: 31 34 -49
Principal Axes:
T Plg=17 Azm=272
P 62 37
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 592 No. of sta: 19
Principal Axes:
Scale 10**25 d-cm
T Val= 3.15 Plg=24 Azm=275
N -0.13 18 176
P -3.02 59 53
Best Double Couple:Mo=3.1*10**25
NP1:Strike= 38 Dip=26 Slip= -45
NP2: 170 72 -109
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 38C M.W.: 95, 14C
Centroid Location:
Origin Time 22:07: 2.6 0.3
Lat 7.09S 0.03 Lon 71.64W 0.03
Dep 604.4 1.9 Half-duration 5.0
Principal Axes:
Scale 10**25 D-CM
T Val= 3.19 Plg=21 Azm=269
N 0.11 16 173
P -3.30 63 48
Best Double Couple:Mo=3.3*10**25
NP1:Strike= 26 Dip=28 Slip= -54
NP2: 166 68 -107

27 11 58 19.45 14.456S 178.041W 33km
5.7mb (25 obs.) 5.9Msz (14 obs)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 35C
Centroid Location:
Origin Time 11:58:24.3 0.2
Lat 14.27S 0.03 Lon 178.13W 0.02
Dep 15.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**24 D-CM
T Val= 10.47 Plg=80 Azm= 9
N -1.55 4 118
P -8.92 10 209
Best Double Couple:Mo=9.7*10**24
NP1:Strike=303 Dip=35 Slip= 96
NP2: 116 55 86

28 02 56 26.83 23.122S 178.702W 383km
5.3mb (43 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 28C
Centroid Location:
Origin Time 02:56:33.6 0.3
Lat 23.01S 0.03 Lon 178.79W 0.03
Dep 398.4 1.6 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 3.58 Plg=19 Azm=101
N 0.39 32 203
P -3.89 52 345
Best Double Couple:Mo=3.7*10**24
NP1:Strike=152 Dip=38 Slip=-148
NP2: 36 71 -56

28 16 03 05.92 5.956S 149.694E 88km
5.6mb (50 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 25C
Centroid Location:
Origin Time 16:03: 8.0 0.3
Lat 6.76S 0.04 Lon 149.94E 0.03
Dep 82.8 2.5 Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM
T Val= 4.62 Plg=68 Azm=123
N 1.31 9 9
P -5.93 20 276
Best Double Couple:Mo=5.3*10**24
NP1:Strike=350 Dip=26 Slip= 69
NP2: 194 65 100

28 18 24 10.65 48.842N 154.803E 89km
5.2mb (67 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 105, 18C
Centroid Location:
Origin Time 18:24: 7.4 1.1
Lat 48.39N 0.11 Lon 154.58E 0.21
Dep 74.7 7.2 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 7.27 Plg=14 Azm=312
N -0.23 56 63
P -7.04 31 214
Best Double Couple:Mo=7.2*10**23
NP1:Strike=357 Dip=58 Slip=-167
NP2: 260 79 -32

29 14 17 59.35 17.929S 178.586W 604km
5.4mb (40 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 105, 21C
Centroid Location:
Origin Time 14:18: 6.2 0.7
Lat 17.84S 0.08 Lon 178.65W 0.07
Dep 618.3 3.9 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.01 Plg=32 Azm=342
N 0.02 52 125
P -2.03 18 240
Best Double Couple:Mo=2.8*10**24
NP1:Strike= 17 Dip=53 Slip= 169
NP2: 113 81 37

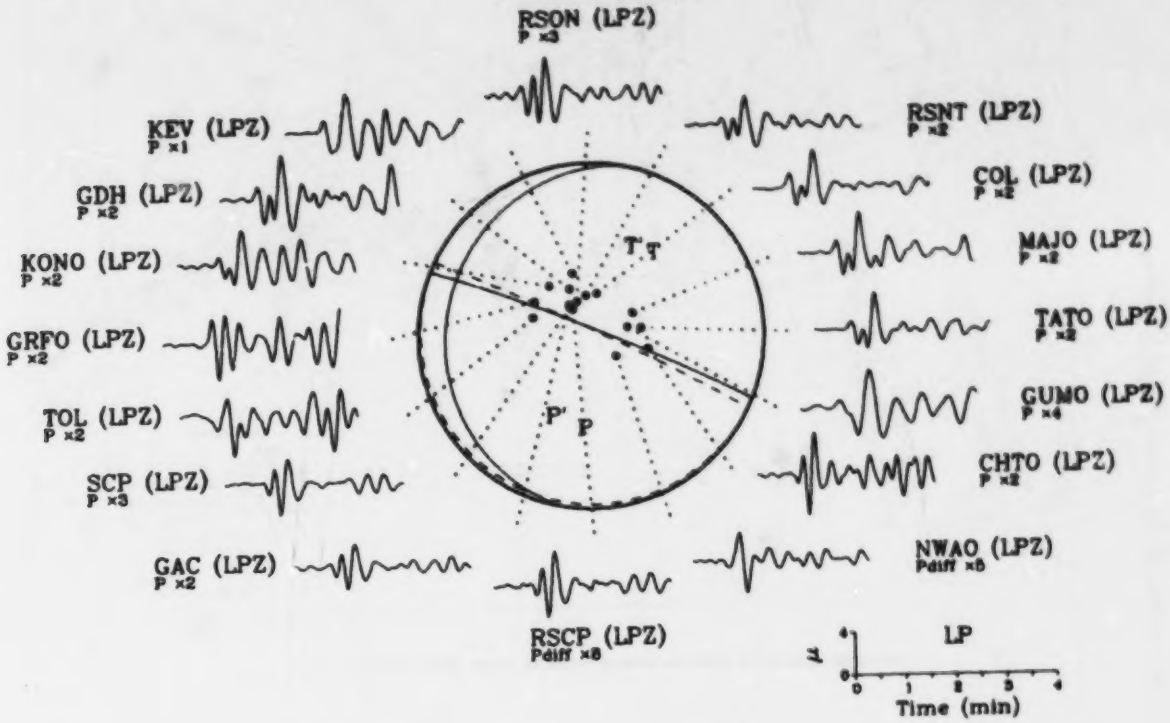
29 15 05 44.55 17.704S 174.602W 33km
5.4mb (28 obs.) 5.5Msz (8 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 27C
Centroid Location:
Origin Time 15:05:47.0 0.2
Lat 18.01S 0.03 Lon 174.54W 0.03
Dep 16.2 1.5 Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 5.56 Plg= 5 Azm=275
N -0.43 4 6
P -5.13 83 137
Best Double Couple:Mo=5.3*10**24
NP1:Strike= 1 Dip=40 Slip= -97
NP2: 189 50 -84

30 08 53 53.21 26.194S 132.767E 10km
5.8mb (31 obs.) 5.8Msz (21 obs.)
SOUTH AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 26C
Centroid Location:
Origin Time 08:54: 1.9 0.5
Lat 25.63S 0.07 Lon 132.82E 0.04
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.53 Plg=80 Azm=311
N 0.07 10 156
P -4.60 4 65
Best Double Couple:Mo=4.6*10**24
NP1:Strike=145 Dip=42 Slip= 76
NP2: 344 50 103

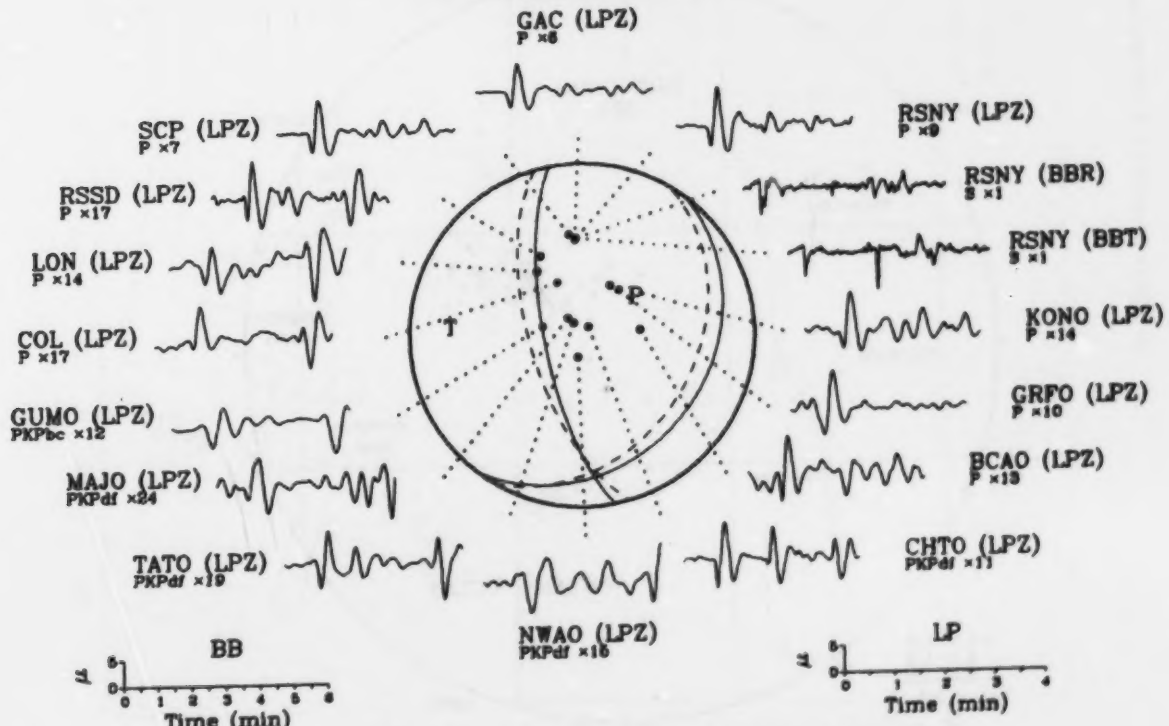
31 11 55 40.00 37.483N 121.690W 8km
5.5mb (48 obs.) 5.5Msz (6 obs.)
CENTRAL CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 115, 27C
Centroid Location:
Origin Time 11:55:44.5 1.0
Lat 37.72N 0.09 Lon 121.72W 0.07
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.36 Plg= 1 Azm=307
N -0.25 75 42
P -3.11 15 217
Best Double Couple:Mo=3.2*10**24
NP1:Strike=353 Dip=79 Slip=-170
NP2: 261 81 -11

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

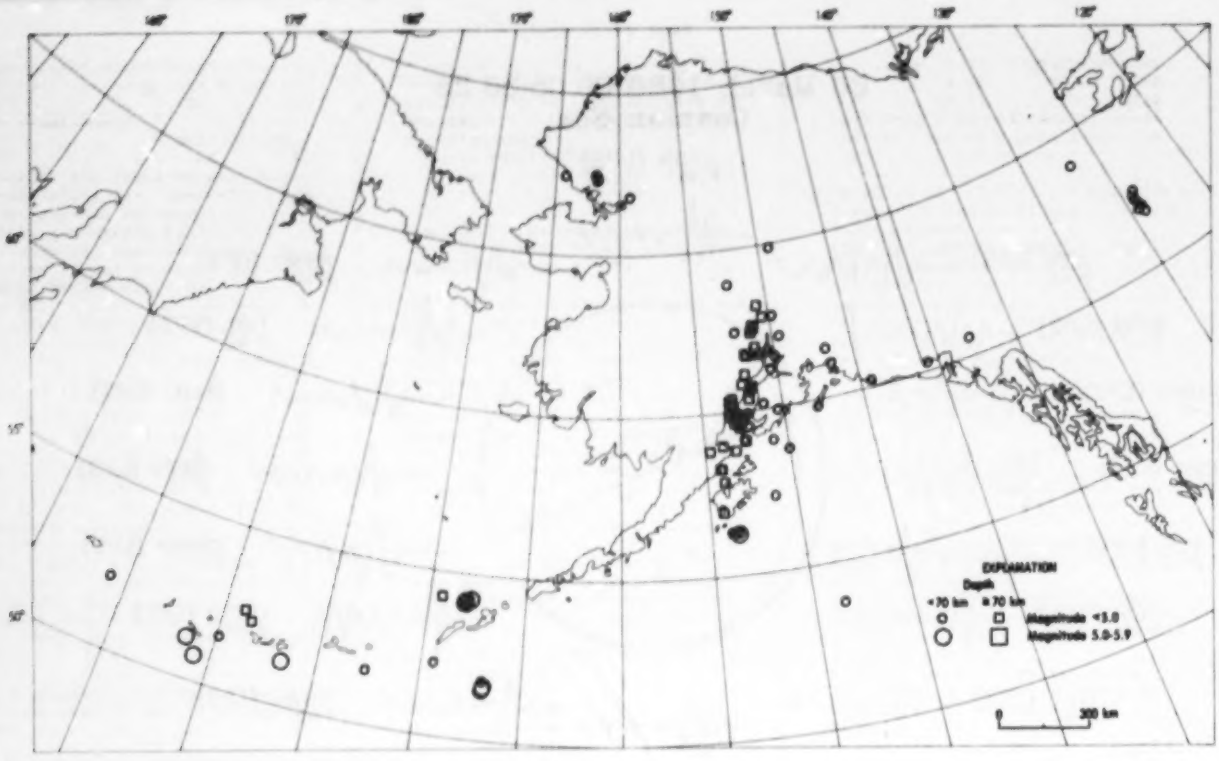
06 March 1986 00:05:38.35
Caspian Sea



26 March 1986 22:06:57.66
Western Brazil

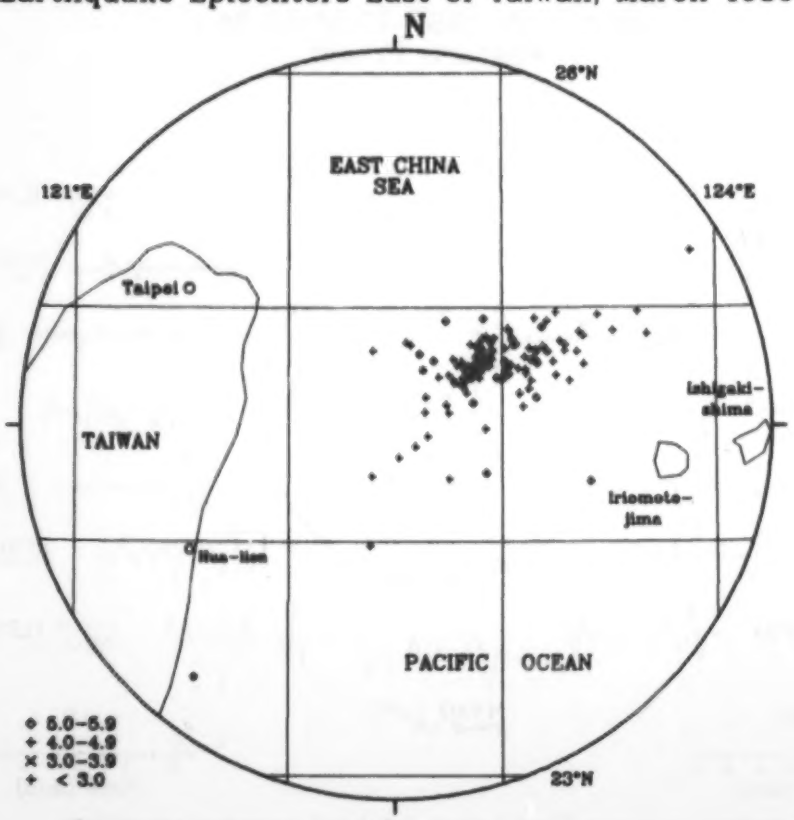


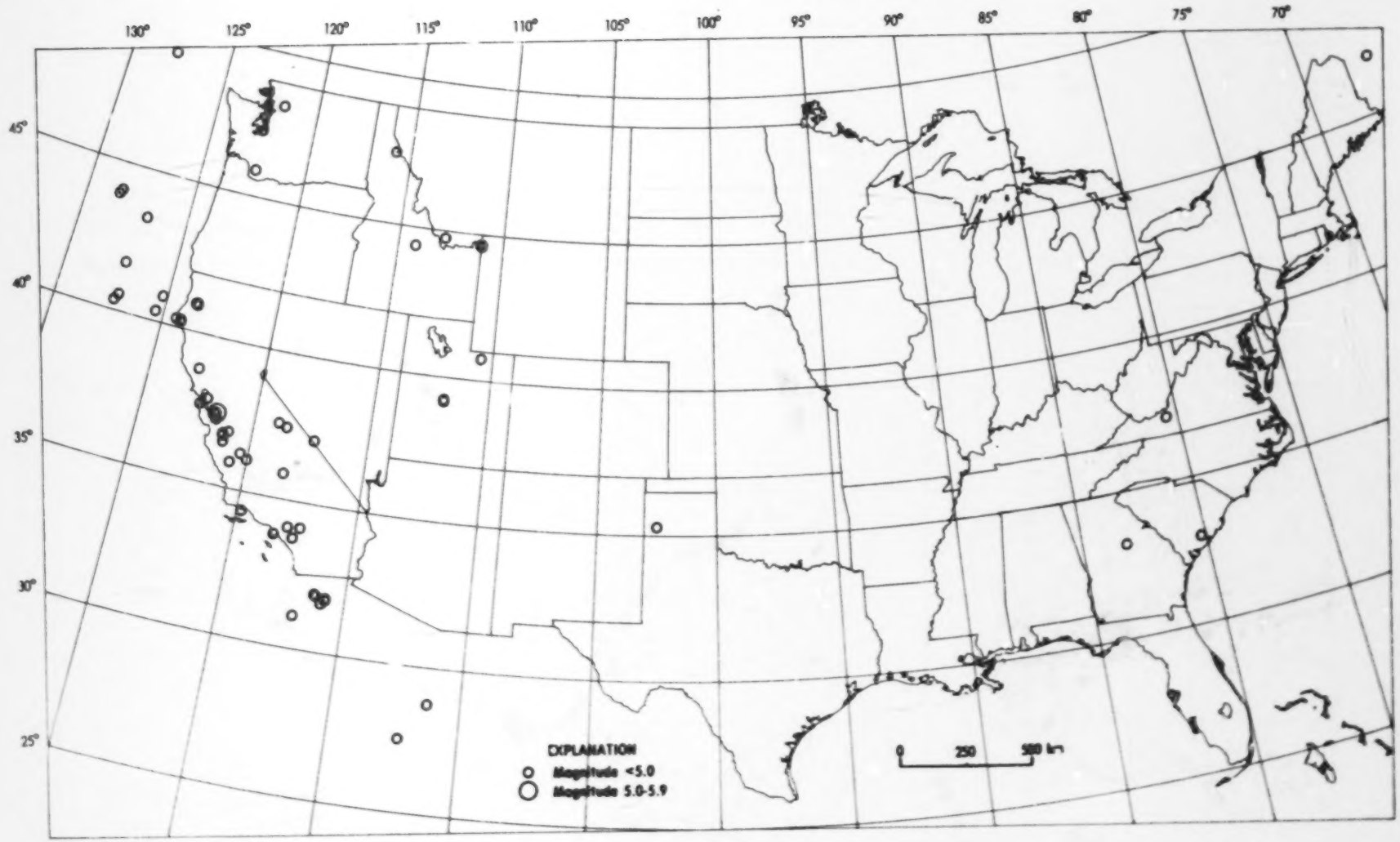
Component indicators R and T mean radial and transverse respectively.



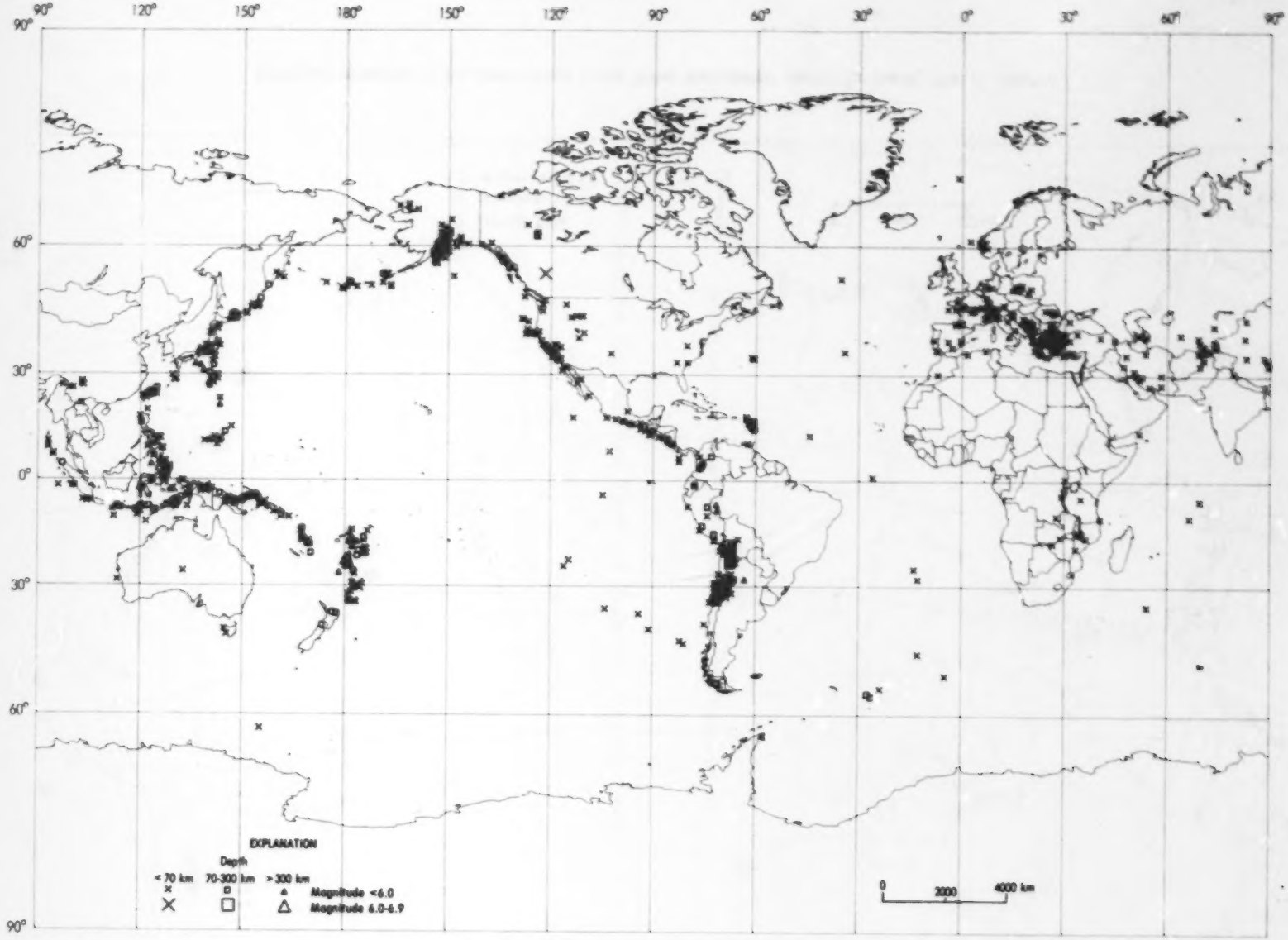
Earthquake epicenters in Alaska and adjacent regions for March, 1986 (C. Stover).

Earthquake Epicenters East of Taiwan, March 1986





Earthquake epicenters in the conterminous United States and adjacent regions for March, 1986 (C. Stover).



Earthquakes located in March, 1986 (C. Stover).

986/4

PRELIMINARY DETERMINATION OF EPICENTERS

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APRIL 1986

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDES GS	MB	Ms	SD	NO. STA USED	REGION. CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	38	34.6*	36.186	N	139.531	E	116 ?				0.4	6	HONSHU, JAPAN
	01	02	14	48.4*	41.842	N	23.879	E	10 G				1.1	5	GREECE-BULGARIA BORDER REGION
	01	03	55	57.1	39.287	N	15.385	E	293			4.5	1.0	73	SOUTHERN ITALY
	01	05	31	12.9*	31.965	S	67.983	W	10 G				1.1	7	SAN JUAN PROVINCE, ARGENTINA
	01	06	01	29.8*	56.901	N	153.553	W	33 N			4.2	1.2	12	KODIAK ISLAND REGION. ML 4.0 (PMR).
	01	06	43	21.9?	35.35	S	71.57	W	10 G				1.2	7	CENTRAL CHILE
	01	07	06	23.8?	54.56	N	164.59	W	33 N			4.1	0.7	5	UNIMAK ISLAND REGION
	01	07	41	41.4	28.178	N	140.644	E	33 N			5.0	0.7	16	BONIN ISLANDS REGION
	01	07	41	54.5	30.328	S	71.836	W	33 N			4.5	1.0	19	NEAR COAST OF CENTRAL CHILE
	01	08	25	20.1*	27.621	S	71.484	W	78 ?				1.1	11	NEAR COAST OF NORTHERN CHILE
	01	09	07	00.7?	48.39	N	1.92	W	10 G				0.8	4	FRANCE. ML 2.6 (LDG).
	01	09	51	27.1	22.039	S	173.562	E	198 ?			4.4	1.2	13	LOYALTY ISLANDS REGION
	01	09	56	53.5	56.422	N	12.100	E	33 N				1.1	20	SWEDEN. ML 4.2 (UPP). Felt.
	01	10	07	46.2*	38.365	N	26.393	E	10 G				0.7	9	AEGEAN SEA
f	01	10	13	40.7	18.037	S	178.537	W	540 G		5.8		0.9	316	FIJI ISLANDS REGION. Depth from broadband displacement seismograms.
	01	10	25	14.4	38.786	N	27.744	E	10 G				1.0	11	TURKEY
	01	11	45	20.1	22.587	S	68.628	W	123 *		4.6		1.5	24	NORTHERN CHILE
	01	12	22	03.6*	12.405	N	144.737	E	33 N		4.7		1.2	11	SOUTH OF MARIANA ISLANDS
	01	13	06	16.4*	38.241	N	26.227	E	10 G				0.3	8	AEGEAN SEA
	01	13	33	18.9*	44.621	N	28.183	E	5 G				1.4	7	ROMANIA
o	01	13	40	45.1	54.653	N	161.580	E	35 D		5.7	5.1	0.9	277	NEAR EAST COAST OF KAMCHATKA. Ms 5.4 (PAS), 5.3 (BRK). Felt (III) at Petropavlovsk-Kamchatskiy
	01	13	41	05.1&	31.856	N	115.798	W	8 G					3	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
	01	14	08	25.7&	61.741	N	150.912	W	65					33	SOUTHERN ALASKA. <AGS-P>.
	01	15	02	43.4%	16.036	N	61.198	W	5 G				0.5	5	LEEWARD ISLANDS. ML 2.3 (FDF).
	01	16	13	09.7&	31.456	N	116.644	W	8 G					3	BAJA CALIFORNIA. <ECX-P>. MD 2.4 (ECX).
	01	16	58	15.9*	16.978	S	70.881	W	141 *		4.3		1.2	14	SOUTHERN PERU
	01	17	14	57.1*	36.711	N	71.482	E	33 N		4.2		1.2	8	AFGHANISTAN-USSR BORDER REGION
	01	17	23	50.7*	38.987	N	24.820	E	10 G				1.3	8	AEGEAN SEA. ML 3.2 (ATH).
	01	17	29	22.6%	33.141	S	70.283	W	10 G				0.3	5	CHILE-ARGENTINA BORDER REGION
	01	17	34	23.8%	39.055	N	28.673	E	10 G				1.2	8	TURKEY
	01	20	02	44.9*	32.548	S	69.964	W	10 G				0.5	6	MENDOZA PROVINCE, ARGENTINA
	01	20	26	34.4&	61.558	N	149.984	W	46					48	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Butte and Palmer.
	01	21	50	18.4*	13.349	N	90.945	W	52 *		4.2		1.1	24	NEAR COAST OF GUATEMALA
	01	22	08	51.8	13.381	N	90.962	W	48		4.7		1.3	55	NEAR COAST OF GUATEMALA. Felt along the southwestern coast.
	01	22	15	32.6*	13.048	N	90.936	W	33 N		4.3		1.3	23	NEAR COAST OF GUATEMALA. Felt along the southwestern coast.
	01	23	02	38.2	15.452	N	46.764	W	10 G		4.9		0.9	28	NORTH ATLANTIC RIDGE
	01	23	46	51.4&	61.886	N	150.937	W	72		3.9			50	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Anchorage, Butte and Palmer.
	01	23	47	22.5%	38.686	N	27.616	E	10 G				0.4	5	TURKEY
	02	00	20	42.7%	15.485	N	60.524	W	33 N				0.9	9	LEEWARD ISLANDS. ML 2.7 (FDF).
	02	00	46	30.0?	22.44	S	171.58	E	33 N		5.0		1.1	8	LOYALTY ISLANDS REGION
	02	00	57	57.0	36.345	N	71.187	E	33 N		4.6		0.8	13	AFGHANISTAN-USSR BORDER REGION
	02	01	19	38.6*	50.279	N	18.978	E	10 G				0.2	5	POLAND. ML 3.2 (KRA), 3.0 (VKA).
	02	02	39	05.7?	16.03	S	71.72	W	33 N		4.8		0.8	5	SOUTHERN PERU
	02	02	50	37.3&	37.465	N	121.697	W	7					16	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.8e18**21 (BRK).
	02	03	16	18.5	36.311	N	1.749	E	10 G				1.1	23	ALGERIA. MG 3.4 (MDD).
	02	06	49	30.4	4.152	S	80.852	W	33 N		4.7		1.1	25	PERU-ECUADOR BORDER REGION
	02	07	36	05.5*	5.704	S	145.982	E	10 G		3.9		1.0	6	EAST PAPUA NEW GUINEA REGION
	02	08	41	31.9	62.580	N	25.443	W	10 G		4.6		1.1	57	ICELAND REGION
	02	08	44	43.6	62.630	N	25.463	W	10 G		4.7		1.1	49	ICELAND REGION
o	02	08	46	48.1	62.796	N	25.212	W	10 G		5.0	5.0	0.9	129	ICELAND REGION
	02	08	49	33.3?	62.67	N	25.14	W	10 G		4.4		0.9	23	ICELAND REGION

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I 19.66:

	02	00	59	49.7	62	663	N	25.427	W	10	G	4.7	4.6	1.0	78	ICELAND REGION
	02	09	42	26.6*	56	833	N	149.279	E	630	?	4.4		0.6	13	SEA OF OKHOTSK
	02	11	16	48.1*	14	365	S	178.144	W	33	N	4.8		1.2	36	FIJI ISLANDS REGION
	02	12	07	10.9?	19	57	S	173.95	W	40	D	5.0		1.5	19	TONGA ISLANDS
	02	12	58	15.1&	39	631	N	29.951	E	10	G			1.0	5	TURKEY
	02	13	37	07.1&	58	075	N	154.085	W	64		3.9			37	ALASKA PENINSULA. <AGS-P>.
	02	15	26	16.4	62	681	N	25.328	W	10	G	5.3	4.7	1.2	162	ICELAND REGION
	02	16	22	36.5*	23	989	N	123.219	E	33	N	4.5		1.2	10	SOUTHWESTERN RYUKYU ISLANDS
	02	16	47	54.2*	38	481	N	25.087	E	10	G			1.4	7	AEGEAN SEA. ML 3.1 (ATH).
	02	17	40	01.9	62	591	N	25.514	W	10	G	4.9	4.8	1.1	74	ICELAND REGION
•	02	17	49	46.9	62	630	N	25.337	W	10	G	5.1	4.8	1.0	187	ICELAND REGION
	02	18	02	28.7	62	917	N	25.485	W	10	G	4.4		0.7	31	ICELAND REGION
	02	18	04	57.3?	17	02	S	174.47	W	33	N	4.6		1.4	24	TONGA ISLANDS
	02	19	32	49.9?	24	71	N	122.92	E	33	N	4.3		1.2	5	TAIWAN REGION
	02	20	35	38.1*	62	756	N	25.132	W	10	G	4.2		1.2	31	ICELAND REGION
	02	20	59	07.5&	59	996	N	152.998	W	114					26	SOUTHERN ALASKA. <AGS-P>.
	02	21	36	02.0	38	717	N	30.318	E	10	G			1.0	8	TURKEY
	02	22	57	40.9&	59	879	N	153.396	W	130		4.0			30	SOUTHERN ALASKA. <AGS-P>.
	02	22	57	43.7*	36	518	N	71.349	E	33	N	4.3		0.5	6	AFGHANISTAN-USSR BORDER REGION
	03	01	18	41.2*	45	666	N	27.024	E	33	N			1.4	6	ROMANIA
	03	02	11	10.6&	60	110	N	153.215	W	130					24	SOUTHERN ALASKA. <AGS-P>.
	03	02	34	41.6?	25	35	S	179.57	E	545	?	4.2		1.0	10	SOUTH OF FIJI ISLANDS
	03	02	37	00.9	8	674	N	83.981	W	27		4.6		1.2	38	COSTA RICA. Felt strongly at Nelly and Golfito. Also felt at Quepos and San Isidro.
	03	02	43	25.9*	58	410	N	153.438	W	33	N	4.6		1.3	27	KODIAK ISLAND REGION. ML 4.4 (PMR).
	03	02	49	31.2	27	020	N	56.156	E	33	N	4.6		1.1	59	SOUTHERN IRAN. Felt at Bandar-e Abbas.
	03	02	56	28.9*	37	432	N	142.375	E	33	N	4.1		1.2	11	OFF EAST COAST OF HONSHU, JAPAN
	03	02	57	11.1	56	257	N	153.473	W	33	N	4.7	4.8	1.0	72	KODIAK ISLAND REGION. ML 5.1 (PMR).
	03	02	57	54.9?	34	89	N	25.01	E	33	N			1.2	6	CRETE
	03	03	21	41.4	61	778	N	27.063	W	10	G	4.7		1.0	58	ICELAND REGION
	03	03	43	50.5*	51	525	N	173.603	W	33	N	4.7		0.7	15	ANDREANOF ISLANDS, ALEUTIAN IS.
	03	03	55	30.7*	21	415	S	67.180	W	204	•	4.5		1.5	17	CHILE-BOLIVIA BORDER REGION
	03	04	25	32.3?	37	44	N	143.00	E	33	N	4.2		0.7	9	OFF EAST COAST OF HONSHU, JAPAN
	03	05	41	07.4	40	142	N	115.946	W	5	G			0.8	18	NEVADA. ML 3.5 (NEIS).
	03	06	48	37.2&	41	190	N	124.682	W	14		4.1			11	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK). Mo=9.9•10••20 (BRK).
	03	07	37	52.0*	2	534	N	128.330	E	225	?	4.9		1.1	19	HALMAHERA
•	03	07	39	54.5	6	361	S	151.678	E	33	N	5.6	4.9	1.0	185	NEW BRITAIN REGION
	03	07	40	04.5?	13	25	N	122.43	E	84	?			0.1	6	LUZON, PHILIPPINE ISLANDS
	03	07	56	30.2?	15	54	N	60.89	W	85	G			0.3	7	LEEWARD ISLANDS
	03	08	00	24.6?	16	44	N	60.91	W	33	N			0.1	6	LEEWARD ISLANDS. ML 2.7 (FDF).
	03	08	22	24.4&	40	080	N	29.329	E	10	G			0.4	7	TURKEY
	03	08	47	48.2?	24	83	N	123.19	E	33	N	3.9		1.4	8	SOUTHWESTERN RYUKYU ISLANDS
	03	10	02	36.8*	61	449	N	150.039	W	45	•			0.8	7	SOUTHERN ALASKA. Felt at Anchorage.
	03	10	32	39.6?	52	43	S	28.35	E	10	G	4.6		1.3	8	SOUTH OF AFRICA
	03	10	38	17.1*	11	141	S	161.347	E	33	N	4.7		1.2	13	SOLOMON ISLANDS
	03	11	10	10.7*	19	883	S	175.936	W	270	•	4.7		1.1	36	TONGA ISLANDS
	03	11	55	11.6	10	095	N	93.114	E	102	•	4.2		0.8	13	ANDAMAN ISLANDS REGION
	03	12	17	58.4*	31	571	S	67.727	W	10	G			1.0	10	SAN JUAN PROVINCE, ARGENTINA
	03	12	28	25.2*	51	197	N	176.992	W	33	N	4.6		1.4	28	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR).
	03	13	56	22.7*	15	178	S	174.116	W	95	D	4.8		0.9	43	TONGA ISLANDS
	03	14	09	02.5	46	063	S	165.094	E	20	•	4.8		1.1	21	OFF W. COAST OF S. ISLAND, N.Z.
	03	16	33	35.9&	37	515	N	121.690	W	7					12	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=7.3•10••20 (BRK).
	03	18	52	34.1	38	400	N	25.149	E	10	G	3.7		0.6	32	AEGEAN SEA. ML 3.9 (ATH).
	03	20	01	21.8?	13	30	N	91.75	W	33	N	4.4		1.1	10	NEAR COAST OF GUATEMALA
	03	20	24	19.7*	33	134	S	71.614	W	10	G			0.9	14	NEAR COAST OF CENTRAL CHILE
	03	20	38	06.8	38	428	N	25.113	E	10	G			1.2	19	AEGEAN SEA. ML 3.7 (ATH).
	03	21	11	47.7	63	634	N	145.435	W	33	N			0.9	48	CENTRAL ALASKA. ML 3.7 (PMR). Felt at mile 221 on the Richardson Highway.
	03	21	14	49.4*	63	550	N	145.411	W	33	N			1.0	6	CENTRAL ALASKA. ML 2.8 (PMR). Felt near the Richardson Highway.
	03	21	16	55.0	63	444	N	145.564	W	33	N			0.9	32	CENTRAL ALASKA. ML 3.2 (PMR). Felt near the Richardson Highway.
	03	21	45	00.4?	22	41	S	37.55	E	10	G			0.7	6	MOZAMBIQUE CHANNEL. MG 2.9 (BUL).
	03	21	53	57.8	0	012	N	123.760	E	177	•	4.8		1.0	33	MINAHASSA PENINSULA
	03	22	33	13.5	35	071	N	4.691	W	33	N			0.6	12	STRAIT OF GIBRALTAR. MG 3.3 (MDD).
	03	22	45	16.0*	7	362	S	128.934	E	236	?	4.6		1.2	10	BANDA SEA
	03	23	32	18.6	38	360	N	25.075	E	11		4.7	3.9	1.1	121	AEGEAN SEA. ML 4.9 (ATH). Felt on Khios and Evvoia.
	03	23	36	31.3	38	347	N	25.115	E	10	G			1.1	11	AEGEAN SEA. ML 3.8 (ATH).
	04	00	09	40.5	38	336	N	25.118	E	16		4.3		1.1	55	AEGEAN SEA. ML 4.2 (ATH). Felt on Khios and Evvoia.
	04	00	17	41.9*	38	415	N	25.086	E	10	G			1.2	10	AEGEAN SEA. ML 3.3 (ATH).
	04	01	01	14.3?	38	36	N	25.14	E	10	G			0.6	4	AEGEAN SEA. ML 3.1 (ATH).
	04	01	06	46.4?	37	46	N	21.59	E	33	N			1.4	5	SOUTHERN GREECE. ML 3.5 (ATH).
	04	01	23	34.6*	8	026	S	128.410	E	33	N			0.3	5	TIMOR SEA
	04	01	52	05.7?	32	23	S	69.18	W	33	N			0.4	5	MENDOZA PROVINCE, ARGENTINA
	04	01	57	10.3&	15	851	N	60.622	W	24				0.3	10	LEEWARD ISLANDS. ML 2.6 (FDF).
	04	02	26	58.5?	38	40	N	25.07	E	10	G			0.8	4	AEGEAN SEA. ML 3.1 (ATH).
	04	02	27	44.5&	37	358	N	2.598	W	10	G			1.4	8	SPAIN. MG 3.0 (MDD).
	04	02	52	47.6&	59	993	N	147.393	W	23					23	GULF OF ALASKA. <AGS-P>.
	04	04	22	09.9	38	450	N	25.166	E	10	G			1.0	17	AEGEAN SEA. ML 3.5 (ATH).
	04	04	32	55.7&	32	951	S	71.482	W	33	N			0.5	10	NEAR COAST OF CENTRAL CHILE
	04	05	46	06.8*	53	635	N	161.467	E	38	D	4.6		0.9	19	OFF EAST COAST OF KAMCHATKA
	04	05	53	35.5*	33	120	N	142.425	E	33	N	4.1		0.6	9	OFF EAST COAST OF HONSHU, JAPAN
	04	07	27	11.2	46	269	N	13.325	E	10	G			1.4	8	AUSTRIA. ML 2.6 (KBA), MD 2.5 (TRI).
	04	07	58	37.3*	30	858	N	88.256	E	33	N	4.5		1.3	13	TIBET
	04	08	14	15.9?	33	03	S	66.78	W	33	N			0.7	6	SAN LUIS PROVINCE, ARGENTINA
	04	08	24	50.8*	6	318	S	130.124	E	197	•	4.7		1.5	18	BANDA SEA
	04	09	58	30.6	18	848	S	70.697	W	87		5.0		1.2	39	NEAR COAST OF NORTHERN CHILE. Felt (IV) in the Arica-Iquique area.
	04	10	09	20.4*	38	428	N	25.068	E	10	G			1.1	19	AEGEAN SEA. ML 3.6 (ATH).
	04	10	16	41.3&	37	292	N	121.685	W	6					15	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=9.9•10••20 (BRK).

	04	11	23	25.4	33.045	N	96.035	E	33 N	4.9 3.7	0.9	57	QINGHAI PROVINCE, CHINA
	04	13	36	06.2•	7.395	S	155.639	E	33 N	4.5	0.9	6	SOLOMON ISLANDS. Felt (II) at Aroma.
	04	13	45	09.3%	42.027	N	24.898	E	10 G		1.3	5	BULGARIA
	04	13	45	44.0	47.869	N	7.812	E	10 G		0.2	0	SWITZERLAND. MD 1.5 (NDF).
	04	14	16	38.5	44.640	N	111.036	W	5 G		0.8	10	HEBGEN LAKE REGION. ML 3.0 (NEIS).
	04	14	19	18.1	38.432	N	25.172	E	10 G		1.3	11	AEGEAN SEA. ML 3.5 (ATH).
	04	15	41	01.6?	38.13	N	31.79	E	10 G		0.6	6	TURKEY
	04	16	24	52.5•	33.895	S	71.982	W	10 G		0.4	12	NEAR COAST OF CENTRAL CHILE
	04	16	38	34.3	38.360	N	25.076	E	10 G	3.6	1.2	19	AEGEAN SEA. ML 3.6 (ATH).
	04	18	17	38.1?	38.39	N	25.20	E	10 G		0.9	4	AEGEAN SEA. ML 2.9 (ATH).
	04	19	26	32.7•	38.480	N	25.233	E	10 G		1.3	9	AEGEAN SEA. ML 3.3 (ATH).
	04	20	10	09.6	12.956	N	124.498	E	47 •	4.9	1.1	40	SAMAR, PHILIPPINE ISLANDS
	04	20	22	25.6?	13.32	S	26.40	E	10 G		1.1	5	ZAMBIA. MG 2.8 (BUL)
	04	20	44	57.6?	18.00	S	174.81	W	210 G	4.4	1.3	8	TONGA ISLANDS
	04	20	54	21.7•	51.538	N	7.333	E	10 G		0.8	8	GERMANY
	04	22	12	49.1•	51.652	N	7.114	E	10 G		0.2	5	GERMANY
	04	22	42	38.4	71.084	N	8.354	E	10 G	4.6	1.9	80	NORWEGIAN SEA
	04	23	13	32.6?	38.33	N	25.17	E	10 G		0.2	4	AEGEAN SEA. ML 2.8 (ATH).
	04	23	35	40.8?	53.70	N	160.69	E	33 N	4.3	1.2	8	NEAR EAST COAST OF KAMCHATKA
	05	00	29	45.1•	36.563	N	140.636	E	60 •	3.9	0.8	9	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito.
o	05	02	29	14.3	6.869	S	155.786	E	73	5.3	0.8	124	SOLOMON ISLANDS. Felt (IV) at Penguna and Arawa.
	05	02	38	48.6•	24.803	N	123.245	E	30	4.7 3.9	1.3	13	SOUTHWESTERN RYUKYU ISLANDS
	05	04	01	27.2?	16.88	N	60.48	W	33 N		0.6	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	05	04	33	07.4•	11.987	N	89.151	W	33 N	4.4	1.0	17	OFF COAST OF CENTRAL AMERICA
	05	06	50	40.3&	33.730	N	118.010	W	14			17	SOUTHERN CALIFORNIA. <PAS-P> ML 3.9 (PAS). Slight damage (VI) at Huntington Beach. Felt (V) at Fullerton, Long Beach and Santa Ana. Felt (IV) at Anaheim, Artesia, Costa Mesa, Cypress, Fountain Valley, Garden Grove, La Mirada, Los Alamitos, Paramount, Seal Beach, South Gate, Stanton, Sunset Beach, Torrance, Upland, Whittier, Walnut, Westminster and Yorba Linda.
	05	09	04	55.1	14.332	N	93.823	W	29	4.6	1.1	39	NEAR COAST OF CHIAPAS, MEXICO
	05	09	52	17.9•	26.208	S	27.389	E	5 G		1.4	8	REPUBLIC OF SOUTH AFRICA. MG 3.5 (BUL)
	05	11	50	32.7•	76.734	N	106.471	W	10 G	3.8	1.3	8	QUEEN ELIZABETH ISLANDS
	05	12	16	59.6&	59.980	N	152.491	W	70			39	SOUTHERN ALASKA. <AGS-P>.
	05	12	42	31.3&	61.528	N	151.563	W	80			38	SOUTHERN ALASKA. <AGS-P>.
	05	12	52	29.9•	15.943	N	88.454	W	10	4.0	0.9	15	HONDURAS
	05	13	11	54.2%	45.632	N	26.526	E	150 G		0.7	8	ROMANIA
	05	13	12	51.8%	40.087	N	29.304	E	10 G		0.5	5	TURKEY
	05	13	34	33.1&	59.473	N	146.262	W	35			40	GULF OF ALASKA. <AGS-P>.
	05	13	45	11.1?	44.85	N	25.25	E	10 G		1.3	6	ROMANIA
	05	14	05	45.0•	45.951	N	141.973	E	240 ?	4.2	0.8	26	HOKKAIDO, JAPAN REGION
	05	14	54	51.3%	34.485	N	96.806	W	5 G		0.6	6	OKLAHOMA. mbLg 1.6 (TUL).
	05	16	30	49.5?	30.12	S	72.02	W	33 N		1.2	11	OFF COAST OF CENTRAL CHILE
	05	17	05	46.3•	51.225	N	15.911	E	10 G		1.3	9	POLAND. ML 3.4 (VKA)
	05	17	21	49.5&	33.340	N	115.710	W	3			17	SOUTHERN CALIFORNIA. <PAS-P> ML 3.7 (PAS). Felt (III) at Niland. Also felt at Bombay Beach.
	05	17	41	50.7	54.055	N	161.961	W	33 N	5.0	0.8	24	ALASKA PENINSULA
	05	18	00	02.9&	32.390	N	113.800	W	6 G			4	W. ARIZ. - MEXICO BORDER REGION. <PAS-P> ML 3.1 (PAS).
	05	18	43	37.0&	37.518	N	121.692	W	7			19	CENTRAL CALIFORNIA. <BRK> ML 3.4 (BRK). Mo=2.2e18**21 (BRK).
	05	19	18	37.5?	39.05	N	29.47	E	10 G		1.4	6	TURKEY
o	05	20	14	28.7	13.410	S	71.785	W	51	5.3 4.6	1.3	84	PERU. At least 16 people killed, 170 injured and 2,000 houses destroyed in the Cuzco area. Landslides occurred near Cuzco.
	05	21	12	37.9%	31.746	S	70.210	W	33 N		0.6	5	CHILE-ARGENTINA BORDER REGION
	05	21	23	24.3•	36.647	N	70.361	E	190 ?	4.2	0.5	14	HINDU KUSH REGION
o	05	22	59	10.2	44.453	N	147.896	E	88	5.3	0.8	161	KURIL ISLANDS. Felt (I JMA) at Nemuro and Kushiro, Hokkaido.
	05	23	11	31.3%	38.706	N	27.772	E	10 G		1.4	8	TURKEY
	06	03	07	43.8•	15.685	S	174.039	W	140 G	4.5	1.4	15	TONGA ISLANDS
	06	04	36	30.7	3.133	S	101.533	E	74	5.2	1.0	95	SOUTHERN SUMATERA
	06	04	43	13.2?	38.39	N	24.89	E	10 G		1.4	8	AEGEAN SEA
	06	05	07	58.9?	25.02	N	123.00	E	33 N	4.3	1.5	6	NORTHEAST OF TAIWAN
	06	06	21	26.1?	15.91	N	60.70	W	33 N		0.3	6	LEEWARD ISLANDS. ML 2.7 (FDF).
	06	07	52	32.9	79.358	N	5.576	E	10 G	4.4	0.5	15	SVALBARD REGION
	06	08	38	43.9?	3.14	N	95.93	E	109 ?	4.3	0.5	5	OFF W COAST OF NORTHERN SUMATERA
	06	08	44	36.2•	18.809	N	145.628	E	203 •	4.9	0.7	17	MARIANA ISLANDS
	06	10	05	00.1%	39.564	N	29.411	E	10 G		1.0	5	TURKEY
	06	12	09	51.2•	33.281	S	71.778	W	10 G		1.3	15	NEAR COAST OF CENTRAL CHILE
	06	12	28	37.3•	32.230	S	69.823	W	33 N		0.6	6	MENDOZA PROVINCE, ARGENTINA
	06	13	56	04.7•	0.053	S	123.411	E	168 •	4.3	1.0	12	MINAHASSA PENINSULA
	06	14	59	32.5	17.836	S	167.872	E	33 N	4.4	1.2	25	VANUATU ISLANDS
	06	15	55	55.3?	40.83	S	68.76	E	10 G	4.1	0.5	8	MID-INDIAN RISE
	06	16	00	00.3	41.578	N	26.826	E	10 G		1.3	10	GREECE-BULGARIA BORDER REGION
	06	16	07	51.0%	14.914	N	60.239	W	30		0.4	11	WINDWARD ISLANDS. ML 2.9 (FDF).
	06	18	32	43.2?	17.33	N	61.23	W	10 G		0.6	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	06	19	01	02.1•	28.133	N	140.546	E	33 N	4.9	0.7	10	BONIN ISLANDS REGION
	06	19	14	42.2•	38.410	N	25.096	E	10 G		1.1	7	AEGEAN SEA. ML 3.0 (ATH).
	06	22	06	35.8?	38.28	N	25.20	E	10 G		0.8	4	AEGEAN SEA. ML 3.1 (ATH).
	07	00	05	13.4•	12.160	N	90.202	W	65 ?		1.2	7	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
	07	00	34	34.0?	61.94	N	4.80	E	15 G		0.3	5	SOUTHERN NORWAY. ML 2.3 (BER).
	07	02	00	54.0•	38.393	N	25.115	E	10 G		0.9	5	AEGEAN SEA. ML 3.0 (ATH).
	07	02	57	24.0	38.854	N	23.310	E	21	4.2	1.0	38	GREECE. ML 4.3 (ATH). Felt on Evvoia.
	07	05	01	44.2	31.151	S	68.348	W	110 •		0.9	17	SAN JUAN PROVINCE, ARGENTINA
	07	06	08	47.6•	34.763	S	70.370	W	150 G		0.2	11	CHILE-ARGENTINA BORDER REGION
	07	08	37	49.7&	19.199	N	155.620	W	11	4.2		34	HAWAII. <HVO-P>. ML 4.3 (HVO). Felt widely in the southern part of the island of Hawaii.
	07	10	42	08.9?	42.76	N	142.84	E	130 •	4.0	1.3	7	HOKKAIDO, JAPAN REGION
	07	11	55	54.1&	62.378	N	148.786	W	54			42	CENTRAL ALASKA. <AGS-P>.
	07	12	35	52.7	10.026	N	61.904	W	33 N	4.3 3.5	1.0	27	TRINIDAD. Felt (V) at San Fernando and (IV) at Port of

															Spain.
	07	14	07	25.8	44.337	N	114.177	W	5	G		0.5	17	WESTERN IDAHO. ML 4.1 (NEIS). Felt (III) in the Clayton area.
	07	14	25	19.3*	36.369	N	70.840	E	187	?	4.5	1.2	15	HINDU KUSH REGION
	07	14	37	31.9&	40.140	N	29.299	E	10	G		0.7	5	TURKEY
	07	16	06	56.0&	59.697	N	153.000	W	101				26	SOUTHERN ALASKA. <AGS-P>.
	07	16	09	46.2?	50.44	N	159.71	E	33	N	4.3	0.7	6	KURIL ISLANDS REGION
	07	17	07	46.0?	54.06	N	167.34	W	33	N	4.0	0.8	7	FOX ISLANES, ALEUTIAN ISLANDS. ML 4.4 (PWR). Felt (II) at Unalaska.
	07	18	11	29.1*	1.838	N	122.824	E	448	*	4.0	1.2	11	MINAHASSA PENINSULA
	07	18	18	07.2	43.064	N	0.623	W	10	G		0.3	9	PYRENEES. ML 2.3 (LDG).
	07	19	03	53.2?	35.99	N	141.87	E	33	N	3.9	0.6	6	NEAR EAST COAST OF HONSHU, JAPAN
	07	19	05	42.2	40.279	N	77.273	E	33	N	4.8	1.1	26	KIRGHIZ-XINJIANG BORDER REGION
	07	22	13	00.2&	39.224	N	29.317	E	10	G		1.3	11	TURKEY
o	07	22	43	29.6	15.540	N	94.423	W	48	G	5.8 5.2	1.1	286	NEAR COAST OF OAXACA, MEXICO. Ms 5.3 (BRK). Depth from broadband displacement seismograms.
	07	22	47	06.7*	20.480	S	178.182	W	551		5.8	0.8	18	FIJI ISLANDS REGION
	07	23	04	10.3	38.288	N	20.656	E	10	G		1.2	10	GREECE. ML 3.8 (ATH).
	07	23	24	19.8	38.473	N	25.118	E	10	G		1.4	12	AEGEAN SEA. ML 3.7 (ATH).
	07	23	32	00.6	42.928	N	1.853	W	10	G		0.9	16	PYRENEES. ML 3.1 (LDG).
	08	01	25	04.2*	36.617	N	70.872	E	194	?	4.2	1.3	13	HINDU KUSH REGION
	08	02	15	03.1*	24.680	N	121.834	E	33	N	4.4	1.4	15	TAIWAN
	08	03	31	26.5	32.369	S	71.701	W	16			0.8	19	NEAR COAST OF CENTRAL CHILE
	08	04	09	16.9	47.962	N	6.925	E	10	G		0.5	6	FRANCE. ML 1.8 (LDG).
	08	05	23	11.4&	15.226	N	59.982	W	33	N		0.4	11	LEEWARD ISLANDS. ML 3.1 (FDF).
	08	06	36	48.0*	54.048	N	168.156	W	33	N	4.4	1.2	16	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PWR). Felt (III) on Unalaska.
	08	07	50	42.6	28.445	S	67.647	W	125	*		0.6	11	LA RIOJA PROVINCE, ARGENTINA
	08	08	11	53.8	26.245	S	177.897	W	183	D	5.2	1.2	82	SOUTH OF FIJI ISLANDS
	08	08	43	34.6*	27.215	N	34.291	E	10	G	4.3	1.5	12	RED SEA
	08	09	09	15.9&	39.278	N	29.549	E	10	G		0.9	6	TURKEY
	08	09	52	03.5	25.134	N	123.487	E	11		4.7	0.9	14	NORTHEAST OF TAIWAN
	08	10	52	51.1*	37.166	N	21.582	E	113	*	3.7	1.0	15	SOUTHERN GREECE
	08	10	57	35.7*	47.879	N	120.291	W	5	G		0.8	6	WASHINGTON. ML 2.9 (NEIS). Felt in the Stayman Flats area.
	08	11	27	38.0&	60.394	N	5.483	E	5	G		0.4	6	SOUTHERN NORWAY. MD 1.9 (BER).
	08	11	47	14.2?	20.91	S	34.81	E	10	G		1.0	5	MOZAMBIQUE
	08	12	09	24.5*	38.317	N	25.214	E	10	G		1.1	8	AEGEAN SEA. ML 3.8 (ATH).
	08	12	26	40.2&	38.263	N	118.618	W	3				28	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.6 (BRK).
	08	13	33	25.1*	3.436	S	117.706	E	40	?	4.5	0.9	13	KALIMANTAN
	08	14	32	18.8*	35.203	S	179.796	E	33	N	4.9	1.2	16	OFF E. COAST OF N. ISLAND, N.Z.
	08	14	48	23.4*	30.347	S	178.029	W	45	*	3.9	1.2	7	KERMADEC ISLANDS
o	08	18	02	44.6	7.946	S	73.860	W	173	G	5.8	0.9	339	PERU-BRAZIL BORDER REGION. mb 6.5 (BRK). Felt (IV) at Pucallpa. Felt strongly at Chimbote, Trujillo and Huaraz. Felt also at Lima. Depth from broadband displacement seismograms.
	08	18	03	18.3*	42.989	N	29.220	W	10	G	4.5	0.9	31	AZORES ISLANDS REGION
	08	18	12	26.7&	59.199	N	152.561	W	71				42	SOUTHERN ALASKA. <AGS-P>.
	08	18	44	25.9*	24.751	N	124.382	E	10	G	4.5	0.7	6	SOUTHWESTERN RYUKYU ISLANDS
	08	19	08	23.7*	49.370	N	154.279	E	150	D	4.5	0.7	45	KURIL ISLANDS
	08	20	08	42.2?	53.71	N	161.65	E	33	N	4.6	1.1	12	OFF EAST COAST OF KAMCHATKA
	08	20	38	27.5	38.497	N	25.149	E	10	G		1.4	19	AEGEAN SEA. ML 3.8 (ATH).
	08	21	57	36.3	40.931	N	141.135	E	27		4.6	1.3	30	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Aomori and (I JMA) at Hachinohe.
	08	23	46	43.9	4.542	N	125.897	E	160		4.8	0.9	53	TALAUD ISLANDS
	09	00	39	06.8&	40.113	N	27.597	E	10	G		1.1	8	TURKEY
	09	01	25	31.5	6.835	S	155.810	E	77		4.5	0.9	25	SOLOMON ISLANDS. Felt (III) at Arawa and Panguna.
	09	01	26	52.4	19.792	S	69.519	W	115	D	4.9	1.1	27	NORTHERN CHILE
	09	01	44	39.8*	34.876	S	108.125	W	10	G	5.1	1.2	16	EASTER ISLAND CORDILLERA
	09	02	45	33.4	38.381	N	21.726	E	34	*	4.2	1.2	41	GREECE. ML 3.9 (ATH), 3.9 (SKO). Felt in southwestern Sterea Ellas and northern Peloponnisos.
	09	04	28	57.5*	24.277	N	123.207	E	33	N	4.4	0.3	6	SOUTHWESTERN RYUKYU ISLANDS
	09	04	51	28.2*	23.723	S	179.901	E	600	?	4.5	0.7	22	SOUTH OF FIJI ISLANDS
	09	08	16	24.9?	58.48	N	10.55	E	10	G		0.5	6	SWEDEN. MD 2.5 (BER).
	09	08	21	44.1	4.547	N	76.287	W	143		4.9	1.1	38	COLOMBIA. Felt at Pereira, Manizales, Chinchina and Cali.
	09	08	34	53.7&	37.480	N	121.627	W	9				15	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=4.7e18**20 (BRK). This is a double event, with the second event occurring about 3.1 seconds after the first.
	09	08	42	50.4*	58.851	N	9.446	E	10	G		0.5	6	SOUTHERN NORWAY
	09	10	39	16.5*	40.493	N	73.833	E	33	N	4.3	1.2	12	KIRGHIZ SSR
	09	10	41	01.5	63.193	N	150.535	W	142	?		0.3	11	CENTRAL ALASKA
	09	11	41	39.3?	39.94	N	3.64	W	0	G		0.8	4	SPAIN. Probable explosion.
	09	13	18	41.2	62.228	N	150.245	W	33	N		0.9	9	CENTRAL ALASKA. ML 2.9 (PWR).
o	09	14	32	00.3	50.982	N	173.376	E	33	N	5.4	1.0	139	ALEUTIAN ISLANDS REGION
	09	15	38	36.1*	31.793	S	71.722	W	10	G		1.0	15	NEAR COAST OF CENTRAL CHILE
	09	15	49	11.8&	48.394	N	0.521	W	10	G		1.0	5	FRANCE. ML 2.4 (LDG).
	09	17	15	13.4*	8.731	S	157.416	E	36	*		0.7	7	SOLOMON ISLANDS
	09	18	08	23.0&	31.284	S	67.949	W	10	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
o	09	18	10	54.4	23.015	S	66.749	W	216	D	5.2	1.3	165	JUJUY PROVINCE, ARGENTINA
	09	18	42	39.3?	0.47	N	98.90	E	33	N		1.1	5	NORTHERN SUMATERA
	09	18	44	00.1?	29.43	N	141.96	E	33	N		1.5	5	SOUTH OF HONSHU, JAPAN
	09	20	06	06.8*	5.352	N	126.372	E	85	?	5.1	1.0	12	MINDANAO, PHILIPPINE ISLANDS
	09	20	20	10.8&	60.207	N	152.879	W	99		4.3		35	SOUTHERN ALASKA. <AGS-P>.
	09	20	37	55.5	10.072	N	126.186	E	64	*	4.7	1.0	25	PHILIPPINE ISLANDS REGION
	09	20	48	19.0	32.494	S	67.434	W	5	G		1.3	24	MENDOZA PROVINCE, ARGENTINA
	09	21	03	33.1	38.428	N	25.156	E	10	G	4.8	1.2	20	AEGEAN SEA. ML 3.9 (ATH).
	09	21	11	53.7	13.091	S	167.580	E	33	N	4.9	0.9	51	VANUATU ISLANDS
	09	21	56	20.5	9.978	N	126.188	E	64		5.4	1.0	103	MINDANAO, PHILIPPINE ISLANDS
o	09	22	10	14.2	55.984	S	27.030	W	40	D	5.4 5.1	0.8	96	SOUTH SANDWICH ISLANDS REGION
	09	22	23	17.3&	47.661	N	2.885	E	10	G		0.5	8	FRANCE. ML 2.1 (LDG).
	09	23	21	30.0*	9.887	N	126.883	E	62	?		0.4	9	MINDANAO, PHILIPPINE ISLANDS
	10	00	20	04.5	14.290	N	120.711	E	199		4.7	1.0	30	LUZON, PHILIPPINE ISLANDS

	10	01 50 37.9*	31.870	N	.093	*	33	G	4.6			
	10	02 10 20.4?	31.83	S	15	W	33	H				
o	10	02 21 10.5	0.948	S	120.883	E	13	G	5.0 5.0			
	10	05 09 54.67	50.70	N	179.13	W	33	H	4.7			
	10	06 37 13.5*	24.489	N	121.961	E	123					
	10	07 11 29.07	35.05	N	24.38	E	74	?	4.8			
	10	07 31 37.9*	28.367	N	140.575	E	188	*	4.5			
	10	07 52 48.0	37.783	N	140.688	E	184		4.5			
	10	09 19 48.2*	34.398	N	24.323	E	33	H	4.8			
	10	10 25 25.9*	1.180	S	126.713	E	71	?	4.9			
	10	10 59 50.27	34.54	S	180.78	W	10	G	4.7			
	10	11 52 14.4	47.522	N	8.662	E	10	G				
	10	12 09 55.9*	34.424	N	-84.421	E	33	H	4.8			
	10	12 15 43.8*	12.252	N	143.794	E	23	*	4.8			
	10	13 19 53.8*	20.233	S	68.917	W	143	*	4.5			
	10	14 08 30.1&	37.218	N	116.183	W	0		4.5			
	10	14 18 13.8*	29.827	S	72.952	W	33	H				
	10	14 43 05.8	38.421	N	25.184	E	23		4.2			
	10	14 56 41.2	6.265	N	124.886	E	522	*	4.9			
	10	16 08 43.7	20.155	S	70.981	W	87	*	4.2			
	10	16 34 07.97	33.21	S	72.66	W	33	H				
	10	18 22 08.4	1.137	N	98.514	E	92		5.1			
	10	18 27 14.2*	34.856	S	71.119	W	104					
	10	18 53 04.2	35.756	S	144.777	E	10	G				
	10	21 03 20.7&	44.878	N	6.817	E	10	G				
	10	21 39 59.9	51.758	N	20.444	E	10	G				
	10	22 12 59.8&	37.518	N	121.698	W	8					
	11	00 41 58.6*	33.158	S	72.221	W	33	H	4.7			
	11	01 00 38.7	10.841	N	126.259	E	34	*	5.0 4.5			
	11	01 06 06.1	39.489	N	25.958	E	10	G				
	11	02 00 58.9*	37.432	S	74.956	W	33	H	4.5			
	11	04 10 31.2	48.127	N	43.397	E	10	G	5.0 3.8			
	11	04 51 07.8	43.170	N	1.127	W	6					
	11	05 10 51.9*	10.723	N	127.516	E	33	H				
	11	05 16 51.5&	40.481	N	28.813	E	10	G				
	11	05 32 09.3&	60.639	N	151.672	W	60					
	11	05 46 54.97	18.57	N	62.84	W	10	G				
	11	06 07 06.6*	9.996	N	126.356	E	33	H				
	11	06 17 14.7	38.982	N	186.948	W	5	G				
	11	06 49 45.2	5.881	N	77.843	W	33	H	4.7 4.6			
	11	09 25 41.4?	6.96	N	73.19	W	194	*				
	11	09 30 23.6&	39.415	N	28.197	E	10	G				
	11	11 41 55.6*	34.493	N	141.669	E	33	H	4.8			
	11	11 50 44.7	49.894	N	6.594	E	10	G				
	11	12 25 27.6	10.047	N	126.281	E	61	*	5.1			
	11	12 59 06.9	12.288	N	59.434	W	53	D	5.0			
	11	13 17 21.1?	37.18	N	70.74	E	33	N	4.2			
o	11	17 22 20.8	54.164	N	167.883	W	33	H	5.3 5.9			
	11	18 28 17.4?	15.60	S	167.52	E	134	*	4.2			
	11	21 55 31.9?	24.21	S	67.22	W	204	?				
	11	22 33 09.1*	23.361	S	69.043	W	86	*	4.6			
	12	00 38 37.5*	10.767	S	166.159	E	125	G	4.4			
	12	01 17 47.7*	51.203	N	15.849	E	10	G				
	12	03 32 12.4	31.856	S	71.679	W	33	H				
o	12	04 04 31.7	15.421	S	173.223	W	33	H	5.5 5.1			
	12	04 26 26.0*	12.398	N	95.732	E	33	H	4.2 4.6			
	12	05 27 32.1&	61.836	N	151.980	W	113					
	12	05 34 46.4*	31.360	S	68.824	W	117	?				
	12	05 55 14.9*	12.886	S	66.380	E	10	G	4.9 4.9			
	12	06 57 53.3*	44.070	N	20.640	E	10	G				
	12	09 32 27.9*	3.379	S	145.386	E	33	H	4.2			
	12	11 47 51.1*	8.366	N	126.884	E	66	*	5.0			
	12	12 07 18.8?	45.31	N	9.92	E	10	G				
	12	12 12 46.1	17.544	S	167.848	E	23	*	5.2 4.5			
	12	12 44 00.7*	28.781	N	86.480	E	33	N	4.4			
	12	15 24 01.8*	4.071	S	123.624	E	33	H	4.2			
	12	15 59 44.8*	12.794	S	66.190	E	10	G	5.0			
	12	16 05 06.5	12.878	S	66.394	E	10	G	5.1			
	12	16 08 39.3*	4.168	S	123.344	E	33	H	4.1			
	12	16 57 32.8	39.336	N	20.325	E	10	G	4.1			
	12	17 43 54.1?	39.07	N	25.99	E	10	G				
	12	18 13 57.4	9.982	N	126.320	E	53	*	4.9			
	12	18 53 24.1*	26.341	N	182.748	E	33	H	4.3			
	12	19 17 51.6	9.988	N	126.291	E	57	*	4.7			
	12	19 23 37.0*	9.934	N	126.482	E	33	H	5.1			
o	12	20 20 46.3	15.175	S	173.332	W	33	H	5.5 5.6			
	12	21 47 34.5	8.492	N	126.689	E	65	*	5.2			
	12	22 02 32.9	67.263	N	161.691	W	33	H				
	12	22 15 32.3	56.357	N	164.162	E	33	H	4.5			
	12	23 05 47.4	44.635	N	111.076	W	5	G				
o	13	01 56 07.1	15.684	S	173.168	W	188	*	5.2			

1.1	17	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	5	CHILE-ARGENTINA BORDER REGION
1.2	185	MOLUCCA SEA. Ms 6.1 (PAS). Depth from broadband displacement seismograms.
1.8	23	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR).
0.7	7	TAIWAN
1.2	11	CRETE
0.7	24	BONIN ISLANDS REGION
0.7	17	HONSHU, JAPAN. Felt (I JMA) at Fukushima.
1.4	15	CRETE
1.3	22	MOLUCCA SEA
1.9	10	EASTER ISLAND CORDILLERA
0.7	8	SWITZERLAND. ML 2.8 (LDG).
0.4	8	IRAN
1.1	16	SOUTH OF MARIANA ISLANDS
1.3	11	CHILE-BOLIVIA BORDER REGION
	186	SOUTHERN NEVADA. <DOE>. ML 4.9 (BRK). Tunnel shot. 37° 13' 05.97" N., 116° 18' 59.20" W., Surface Elev. 2111 m., Depth of Burial 488 m., Shot Time 140830.095, "MIGHTY OAK", Nevada Test Site (Dept. of Energy).
0.5	13	OFF COAST OF CENTRAL CHILE
1.2	38	AEGEAN SEA. ML 4.3 (ATH).
0.8	23	MINDANAO, PHILIPPINE ISLANDS
1.1	17	NEAR COAST OF NORTHERN CHILE
1.2	12	OFF COAST OF CENTRAL CHILE
1.0	75	NORTHERN SUMATERA
1.0	20	NEAR COAST OF CENTRAL CHILE. Felt (IV) in the Santiago-Valparaiso area.
0.8	10	NEW SOUTH WALES, AUSTRALIA. ML 4.4 (RIV).
0.2	5	FRANCE. ML 2.8 (LDG).
0.3	5	POLAND. ML 2.8 (KRA).
	20	CENTRAL CALIFORNIA. <BRK> ML 3.0 (BRK). Mo=8.6e10++20 (BRK).
1.5	23	OFF COAST OF CENTRAL CHILE
1.2	68	PHILIPPINE ISLANDS REGION
1.2	16	AEGEAN SEA
1.2	12	OFF COAST OF CENTRAL CHILE
0.9	48	TURKEY-USSR BORDER REGION. Four houses damaged at Ozveren, Turkey. Felt in the Tuzluca-Kagizman area, Turkey.
1.0	22	PYRENEES. ML 3.3 (LDG)
1.3	6	PHILIPPINE ISLANDS REGION
0.3	6	TURKEY
	30	KENAI PENINSULA, ALASKA. <AGS-P>
0.3	6	LEEWARD ISLANDS. ML 3.9 (PAG)
1.2	11	MINDANAO, PHILIPPINE ISLANDS
0.8	17	COLORADO. ML 2.9 (NEIS). Felt (III) at Basalt and Snowmass Village. Also felt in the Aspen area.
1.1	17	NEAR WEST COAST OF COLOMBIA
0.8	6	NORTHERN COLOMBIA
1.3	5	TURKEY
1.4	12	OFF EAST COAST OF HONSHU, JAPAN
1.2	26	GERMANY. ML 3.3 (LDG). 3.1 (KBA)
1.5	62	PHILIPPINE ISLANDS REGION
1.0	105	WINDWARD ISLANDS
0.4	6	AFGHANISTAN-USSR BORDER REGION
1.2	177	FOX ISLANDS, ALEUTIAN ISLANDS. Ms 6.0 (BRK), 5.9 (PAS). Felt (IV) at Unalaska.
1.3	7	VANUATU ISLANDS
0.3	5	CHILE-ARGENTINA BORDER REGION
1.4	14	NORTHERN CHILE
0.9	10	SANTA CRUZ ISLANDS
1.4	10	POLAND. ML 3.6 (KBA). 3.5 (VKA).
0.7	16	NEAR COAST OF CENTRAL CHILE
1.2	141	TONGA ISLANDS
0.9	10	ANDAMAN ISLANDS REGION
	25	SOUTHERN ALASKA. <AGS-P>
1.0	14	SAN JUAN PROVINCE, ARGENTINA
1.3	33	MID-INDIAN RISE
0.6	6	YUGOSLAVIA
1.5	8	NEAR N COAST OF PAPUA NEW GUINEA
1.3	28	MINDANAO, PHILIPPINE ISLANDS
1.5	8	NORTHERN ITALY
1.3	34	VANUATU ISLANDS
0.8	6	TIBET
1.0	7	BANDA SEA
1.0	25	MID-INDIAN RISE
1.0	59	MID-INDIAN RISE
1.4	11	BANDA SEA
1.4	24	GREECE-ALBANIA BORDER REGION. ML 4.1 (ATH).
1.1	11	AEGEAN SEA
1.2	60	MINDANAO, PHILIPPINE ISLANDS
1.1	7	SICHUAN PROVINCE, CHINA
1.1	48	MINDANAO, PHILIPPINE ISLANDS
1.2	16	MINDANAO, PHILIPPINE ISLANDS
1.3	145	TONGA ISLANDS
1.2	72	MINDANAO, PHILIPPINE ISLANDS
0.3	7	ALASKA. ML 3.5 (PMR).
0.8	35	KOMANDORSKY ISLANDS REGION
0.9	10	HEBGEN LAKE REGION. ML 3.0 (NEIS). Felt (II) at West Yellowstone, Montana and Old Faithful, Yellowstone National Park.
1.4	102	TONGA ISLANDS

	13	02	04	45.8•	38.777	S	71.639	W	33	N			0.6	13	NEAR COAST OF CENTRAL CHILE
	13	02	21	58.2•	9.836	S	160.294	E	33	N	4.4		0.9	14	SOLOMON ISLANDS. Felt (II) at Honiara
o	13	03	00	20.7	17.213	N	145.584	E	299		5.2		1.1	179	MARIANA ISLANDS
	13	04	19	51.9	3.484	S	141.276	E	30		5.1	4.2	1.1	67	PAPUA NEW GUINEA
	13	05	02	50.1&	44.28	N	114.15	W	5	G			0.6	4	WESTERN IDAHO. ML 3.0 (NEIS).
	13	05	24	01.4	11.597	S	118.170	E	33	N	4.9		1.5	19	SOUTH OF SUMBAWA ISLAND
	13	06	00	09.6&	38.83	S	71.87	W	33	N			0.9	5	NEAR COAST OF CENTRAL CHILE
	13	07	06	17.7	38.383	N	20.812	E	14		4.2		1.5	29	GREECE. ML 4.3 (ATH).
	13	08	13	49.4&	18.479	N	61.368	W	33	N			0.2	5	LEEWARD ISLANDS
	13	09	06	58.9•	19.756	N	115.968	W	10	G	4.5	4.1	0.9	42	EAST CENTRAL PACIFIC OCEAN
	13	10	25	39.9&	54.12	N	167.78	W	33	N	4.3		1.0	12	FOX ISLANDS, ALEUTIAN ISLANDS. ML 3.8 (PWR).
	13	11	20	42.2&	59.28	S	25.69	W	33	N	4.8		1.4	10	SOUTH SANDWICH ISLANDS REGION
	13	12	29	31.3	50.243	N	12.487	E	9				0.4	8	GERMANY. ML 2.4 (GRF).
	13	16	05	07.0&	59.787	N	152.698	W	90					30	SOUTHERN ALASKA. <AGS-P>.
	13	17	55	57.5&	24.95	S	177.48	W	265	?	4.3		1.3	13	SOUTH OF FIJI ISLANDS
	13	18	51	13.3&	33.45	S	72.29	W	33	N			0.9	13	OFF COAST OF CENTRAL CHILE
	13	20	05	07.0	9.986	N	126.382	E	57	•	4.5		1.1	32	MINDANAO, PHILIPPINE ISLANDS
	13	20	59	08.0&	60.967	N	151.907	W	80					42	KENAI PENINSULA, ALASKA. <AGS-P>.
	13	21	28	27.0	32.539	N	85.287	E	53	•	4.9		1.2	53	TIBET
	13	21	52	52.9•	9.871	N	126.323	E	33	N	4.9		0.6	14	MINDANAO, PHILIPPINE ISLANDS
	13	21	57	11.9&	33.15	S	72.37	W	33	N			0.6	11	OFF COAST OF CENTRAL CHILE
	13	22	17	07.9	40.847	N	31.789	E	10	G			0.7	12	TURKEY
	14	00	16	27.1&	61.417	N	146.598	W	26					35	SOUTHERN ALASKA. <AGS-P>.
f	14	00	25	12.4	13.923	S	166.831	E	29	G	6.0	6.2	1.3	266	VANUATU ISLANDS. Ms 6.5 (BRK), 6.2 (PAS). Depth from broadband displacement seismograms.
	14	00	34	02.4&	60.106	N	152.817	W	105					21	SOUTHERN ALASKA. <AGS-P>.
	14	01	00	54.7&	15.671	N	60.886	W	33	N			0.3	10	LEEWARD ISLANDS. ML 2.5 (FDF).
	14	01	11	45.6•	21.309	S	69.106	W	153	•			1.2	8	NORTHERN CHILE
	14	01	12	22.6	38.431	N	25.145	E	20		3.7		0.8	23	AEGEAN SEA. ML 3.8 (ATH).
	14	02	36	39.5•	36.659	N	71.177	E	33	N	4.5		1.3	11	AFGHANISTAN-USSR BORDER REGION
	14	03	15	14.9	21.727	N	142.939	E	331		4.4		0.6	22	MARIANA ISLANDS REGION
	14	05	05	20.5	10.438	N	60.758	W	56				0.9	26	TRINIDAD
	14	06	19	59.7	20.546	S	175.926	W	211	D	4.9		1.3	85	TONGA ISLANDS
	14	06	30	21.8	38.895	N	25.896	E	10	G			1.1	13	AEGEAN SEA. ML 3.5 (ATH).
	14	09	03	34.6•	11.798	N	143.672	E	33	N	4.3		0.9	10	SOUTH OF MARIANA ISLANDS
	14	09	27	01.9	0.865	S	126.689	E	33	•	4.6		1.1	18	MOLUCCA SEA
	14	09	35	09.8?	39.75	N	31.87	E	10	G			1.4	6	TURKEY
	14	09	44	10.6	0.574	S	124.318	E	43		5.2		1.2	74	MOLUCCA SEA
o	14	10	37	12.9	20.530	S	177.701	W	507		5.3		1.0	138	FIJI ISLANDS REGION
	14	10	41	36.3	32.847	S	70.135	W	94	?			0.4	14	CHILE-ARGENTINA BORDER REGION
o	14	10	52	48.8	4.865	S	151.268	E	216		5.4		1.0	187	NEW BRITAIN REGION
	14	12	30	28.1	50.922	N	6.622	E	10	G			0.5	7	GERMANY
	14	12	47	54.2	36.131	N	139.869	E	65		4.2		0.9	25	HONSHU, JAPAN. Felt (III JMA) at Utsunomiyo and (I JMA) at Kumagayo and Mito.
f	14	14	52	10.5	57.724	S	24.373	W	11	D	5.7	6.3	1.3	107	SOUTH SANDWICH ISLANDS REGION
	14	18	17	09.4&	58.942	N	154.384	W	119					20	ALASKA PENINSULA. <AGS-P>.
	14	19	32	41.3	24.845	S	131.218	E	10	G			1.3	12	NORTHERN TERRITORY, AUSTRALIA. ML 3.6 (ASPA).
	14	19	56	13.4•	38.418	N	20.698	E	10	G	4.0		1.5	14	GREECE. ML 3.6 (ATH).
	14	20	39	13.1	8.270	S	74.259	W	155		4.8		1.0	63	PERU-BRAZIL BORDER REGION
	14	21	20	25.1•	61.864	N	124.906	W	10	G			1.0	5	NORTHWEST TERRITORIES, CANADA
	14	21	43	55.1	46.891	N	14.374	E	10	G			0.9	11	YUGOSLAVIA. ML 2.9 (VKA).
o	14	22	31	25.5	25.750	N	142.403	E	30		5.4		1.0	131	VOLCANO ISLANDS REGION. Felt (I JMA) on Chichi-shima, Bonin Islands.
	14	23	01	45.0&	16.052	N	61.449	W	10	G			0.6	7	LEEWARD ISLANDS. ML 2.4 (FDF).
	15	00	13	17.3&	40.428	N	125.413	W	17	G	4.3			34	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.3 (BRK).
o	15	00	38	59.2•	14.856	S	174.348	W	33	N	5.2	5.4	1.2	69	SAMOA ISLANDS REGION
	15	01	34	27.4	16.344	N	146.724	E	33	N	5.0		1.1	79	MARIANA ISLANDS
	15	02	32	54.6•	45.919	N	25.956	E	126	?			1.2	8	ROMANIA
	15	02	49	08.6•	36.331	N	70.646	E	33	N	4.2		0.9	6	HINDU KUSH REGION
	15	03	38	42.3•	33.201	S	72.124	W	33	N	4.5		1.1	15	OFF COAST OF CENTRAL CHILE
	15	05	50	37.7•	10.381	N	126.437	E	33	N			0.7	7	PHILIPPINE ISLANDS REGION
	15	06	39	53.2	45.662	N	26.615	E	133	•			0.6	19	ROMANIA
	15	06	58	57.7•	24.141	S	66.869	W	216	•			0.5	7	SALTA PROVINCE, ARGENTINA
	15	07	48	10.1	18.219	S	177.943	W	630		4.9		0.9	70	FIJI ISLANDS REGION
	15	08	38	36.6?	33.05	S	72.32	W	33	N			0.4	10	OFF COAST OF CENTRAL CHILE
	15	09	25	56.7&	36.677	N	121.347	W	4					16	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=3.6•10••21 (BRK). Felt.
	15	09	46	11.9	25.588	S	177.753	W	233	?	4.6		1.4	32	SOUTH OF FIJI ISLANDS
	15	10	16	09.8&	31.831	N	115.833	W	8	G				3	BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
	15	10	25	14.4	12.188	N	143.848	E	14		5.3		1.0	55	SOUTH OF MARIANA ISLANDS
	15	10	52	20.2•	16.814	S	167.662	E	33	N	4.6		1.3	13	VANUATU ISLANDS
	15	11	47	13.5•	6.102	S	148.348	E	85	•	4.0		1.4	7	NEW BRITAIN REGION
o	15	13	15	02.7	15.561	S	173.905	W	89	D	5.3		1.1	158	TONGA ISLANDS
	15	13	24	42.2&	60.348	N	5.350	E	10	G			0.3	5	SOUTHERN NORWAY. MD 1.5 (BER).
	15	13	53	16.7?	33.73	S	72.15	W	33	N			1.1	10	OFF COAST OF CENTRAL CHILE
	15	14	04	44.3&	40.535	N	125.202	W	5	G				7	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=5.5•10••20 (BRK).
	15	15	45	26.9•	16.224	S	178.215	E	18	•	4.7		1.0	13	FIJI ISLANDS
	15	16	53	13.3?	2.02	S	97.99	E	33	N	4.8		1.0	7	SOUTHWEST OF SUMATERA
	15	18	12	45.2&	59.439	N	153.253	W	95					20	SOUTHERN ALASKA. <AGS-P>.
	15	18	20	39.8	45.685	N	10.706	E	13				1.2	38	NORTHERN ITALY. ML 3.9 (GRF), 3.4 (LDG). MD 3.4 (TRI).
	15	18	26	17.7	2.933	S	141.469	E	55	•	4.5		1.1	25	NEAR N COAST OF PAPUA NEW GUINEA
	15	21	09	38.3	40.655	N	21.400	E	8				0.4	9	GREECE. ML 2.8 (THE).
	15	22	10	11.1	40.608	N	21.385	E	10	G			0.5	9	GREECE. ML 2.7 (THE).
	15	22	57	05.5	10.961	N	61.785	W	47	?			0.7	14	TRINIDAD. MC 3.7 (TRN). Felt (II) on Trinidad.
	15	23	13	00.8•	39.535	N	75.266	E	33	N	4.3		1.4	10	SOUTHERN XINJIANG, CHINA
	16	01	22	09.4•	36.171	N	140.350	E	33	N			0.8	7	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
o	16	01	31	44.2	30.612	N	141.645	E	31		5.7	5.8	1.1	296	SOUTH OF HONSHU, JAPAN. Ms 5.8 (BRK), 5.8 (PAS).
	16	02	05	40.6&	40.118	N	29.254	E	10	G			0.6	7	TURKEY
	16	02	48	15.4&	43.091	N	0.487	W	10	G			0.2	7	PYRENEES
	16	03	45	35.5	24.387	S	67.280	W	204	•			0.9	15	CHILE-ARGENTINA BORDER REGION
	16	04	21	42.7&	42.847	N	70.982	W	5	G				5	SOUTHERN NEW ENGLAND. <WES>. MD 2.6 (WES). Felt at Amesbury, Groveland, Merrimac and West Newbury.

														Massachusetts.
	16	05 19 37.4?	28.37	N	140.97	E	33	N	4.7		1.9	6	BONIN ISLANDS REGION
	16	06 15 23.9	5.624	S	130.985	E	78	•	5.0		1.4	35	BANDA SEA
	16	06 25 27.6	44.271	N	114.899	W	5	G			0.5	9	WESTERN IDAHO. ML 3.5 (NEIS).
	16	06 53 49.6•	41.200	N	140.246	E	170		4.9		0.6	18	HOKKAIDO, JAPAN REGION
	16	07 11 37.0•	9.974	N	126.565	E	33	N	5.0		1.3	18	MINDANAO, PHILIPPINE ISLANDS
	16	11 51 11.5%	60.304	N	5.398	E	10	G			0.3	6	SOUTHERN NORWAY. MD 1.8 (BER).
	16	12 01 10.1•	11.496	S	117.328	E	33	N	3.8		1.2	9	SOUTH OF SUMBAWA ISLAND
f	16	12 52 16.0	43.890	N	147.570	E	23	G	6.3 6.1		1.0	432	KURIL ISLANDS. Ms 5.9 (BRK). Felt (V) on Shikotan and Kunashir and (III) on Iturup. Felt (III JMA) at Nemuro and Kushiro; (II JMA) at Obihiro and Urakawa, Hokkaido. Felt (I JMA) at Fukushima and Hachinohe, Honshu. Also felt at Otunoto, Honshu. Depth from broadband displacement seismograms.
	16	13 14 50.9%	59.257	N	5.795	E	10	G			0.4	5	SOUTHERN NORWAY. MD 2.5 (BER).
	16	14 22 50.8&	60.159	N	152.251	W	65					37	SOUTHERN ALASKA. <AGS-P>.
	16	14 39 53.0?	5.74	S	133.74	E	33	N	4.4		1.2	5	AROE ISLANDS REGION
	16	15 24 52.7&	58.518	N	155.384	W	133					21	ALASKA PENINSULA. <AGS-P>.
o	16	18 55 38.4	38.710	N	141.448	E	28	•	5.4 5.2		1.1	132	SOUTH OF HONSHU, JAPAN
	16	18 59 56.8•	3.892	N	77.854	W	33	N	4.8 3.8		1.1	13	NEAR WEST COAST OF COLOMBIA
	16	19 56 50.0?	5.55	S	103.66	E	75	?	4.7		1.4	15	SOUTHERN SUMATERA
	16	19 59 59.7%	15.002	N	60.327	W	10	G			0.4	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	16	20 12 44.1?	30.70	N	141.91	E	33	N	4.2		0.4	8	SOUTH OF HONSHU, JAPAN
	16	20 21 22.9	14.920	S	167.253	E	169	•	4.8		1.0	39	VANUATU ISLANDS
	16	20 24 11.3•	51.162	N	15.716	E	10	G			1.2	10	POLAND. ML 3.0 (VKA), 3.4 (KBA).
	16	21 20 31.9?	34.75	S	72.12	W	33	N			1.0	11	NEAR COAST OF CENTRAL CHILE
	16	22 01 56.7•	3.479	N	78.395	W	33	N	4.6		1.4	21	SOUTH OF PANAMA
	16	22 13 22.8&	60.974	N	151.448	W	88					30	KENAI PENINSULA, ALASKA. <AGS-P>.
	16	23 09 19.3?	31.30	S	68.45	W	112	•			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	16	23 52 17.0	15.382	N	60.811	W	29				0.2	11	LEEWARD ISLANDS. ML 2.9 (FDF).
	17	00 57 06.5	31.902	S	68.284	W	119		4.0		0.6	21	SAN JUAN PROVINCE, ARGENTINA
	17	01 04 43.7?	45.06	N	150.22	E	33	N	4.1		1.2	8	KURIL ISLANDS
	17	02 48 04.1•	11.738	N	143.822	E	33	N	4.4		1.2	10	SOUTH OF MARIANA ISLANDS
	17	03 10 38.9•	44.323	N	114.119	W	5	G			0.9	6	WESTERN IDAHO. ML 3.0 (NEIS).
	17	05 14 12.3%	38.805	N	27.169	E	10	G			0.4	6	TURKEY
	17	06 44 52.8•	28.149	N	140.883	E	33	N	4.3		0.5	7	BONIN ISLANDS REGION
	17	07 07 40.3•	41.176	N	22.831	E	10	G			0.6	5	YUGOSLAVIA
	17	07 25 27.7	20.876	S	68.901	W	100		4.7		1.3	73	CHILE-BOLIVIA BORDER REGION
	17	07 32 10.9?	19.37	S	172.89	W	33	N	5.1		1.4	15	TONGA ISLANDS REGION
	17	09 09 45.9•	12.511	N	88.721	W	68	•	4.8		1.1	37	OFF COAST OF CENTRAL AMERICA
	17	09 18 28.3•	32.790	S	71.928	W	33	N			1.4	17	NEAR COAST OF CENTRAL CHILE
	17	09 23 05.6%	16.556	N	61.170	W	10	G			1.1	5	LEEWARD ISLANDS
o	17	10 05 54.4	0.847	S	99.701	E	83		5.3		1.1	162	SOUTHERN SUMATERA
	17	12 03 54.7•	36.536	N	3.940	W	33	N			1.5	6	STRAIT OF GIBRALTAR. MC 2.9 (MDD)
	17	12 58 40.8•	28.320	N	140.796	E	33	N	4.9		1.4	21	BONIN ISLANDS REGION
	17	13 15 57.0	24.460	N	94.887	E	85	D	5.0		1.0	57	BURMA-INDIA BORDER REGION
	17	13 55 28.0	40.444	N	22.607	E	10	G			1.4	14	GREECE. ML 3.0 (THE).
	17	14 37 44.7	40.482	N	22.610	E	10	G			0.6	10	GREECE. ML 2.7 (THE).
	17	16 03 18.0	33.760	N	25.621	E	10	G	4.3		1.3	43	EASTERN MEDITERRANEAN SEA
	17	16 05 24.4	42.231	N	142.985	E	69		4.8		1.3	54	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa and (I JMA) at Obihiro, Kushiro, Sapporo and Muroran
	17	18 21 24.1	40.318	N	27.412	E	10	G			0.5	13	TURKEY
	17	18 27 23.9•	51.554	N	6.859	E	10	G			1.0	7	GERMANY. ML 1.9 (BNS).
	17	19 42 06.7•	38.833	N	8.882	W	10	G			1.2	12	PORTUGAL. MG 3.5 (MDD). Felt at Benavente
	17	20 07 34.8•	51.298	N	15.950	E	10	G			0.8	10	POLAND. ML 2.9 (KBA).
	17	21 04 30.3&	32.587	N	106.912	W	5	G				1	NEW MEXICO. <GLD>. ML 2.7 (GLD). Felt at Leasburg
	17	21 50 25.4	46.727	N	10.229	E	10	G			1.3	12	NORTHERN ITALY. ML 2.7 (FUR), 2.3 (KBA).
	18	00 06 38.2&	57.759	N	152.964	W	60					18	KODIAK ISLAND REGION. <AGS-P>.
	18	00 19 49.3•	36.584	N	71.067	E	201	?	4.4		1.3	11	AFGHANISTAN-USSR BORDER REGION
	18	01 14 25.1•	51.481	N	6.806	E	10	G			1.1	7	GERMANY. ML 1.9 (BNS).
	18	01 23 59.7	42.097	N	142.558	E	81		4.9		1.1	85	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hiroo, Urakawa and Tomakomai and (I JMA) at Otaru, Iwamizawa, Sapporo, Muroran, Obihiro and Hakodate. Also felt (I JMA) at Hachinohe and Mutsu, Honshu.
	18	02 03 53.0•	2.662	S	78.469	W	111	•	4.3		1.3	12	ECUADOR
	18	03 19 39.9	22.654	S	68.518	W	118	D	5.1		1.3	121	NORTHERN CHILE. Felt (IV) at Calama
	18	05 50 15.8	45.950	N	8.285	E	10	G			1.0	23	NORTHERN ITALY. ML 2.9 (LDG)
	18	05 51 22.0&	61.681	N	150.899	W	60					32	SOUTHERN ALASKA. <AGS-P>.
	18	06 58 57.8?	16.95	N	62.19	W	10	G			0.1	7	LEEWARD ISLANDS. ML 3.2 (FDF)
o	18	08 08 39.8	5.997	S	131.542	E	52	•	5.3		0.9	70	BANDA SEA
	18	08 46 17.1•	10.147	N	126.574	E	33	N	4.4		1.4	17	PHILIPPINE ISLANDS REGION
	18	08 56 56.7	4.906	S	11.507	W	10	G	5.1 3.9		0.7	62	NORTH OF ASCENSION ISLAND
	18	09 22 39.5&	61.938	N	151.513	W	91					24	SOUTHERN ALASKA. <AGS-P>.
	18	09 32 40.2•	9.947	N	126.525	E	33	N			0.9	10	MINDANAO, PHILIPPINE ISLANDS
	18	09 35 42.8&	41.125	N	123.303	W	5	G				4	NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK).
	18	10 49 04.2•	45.309	N	26.856	E	33	N			1.1	5	ROMANIA
	18	11 00 21.7&	38.230	N	122.178	W	3					9	NORTHERN CALIFORNIA. <BRK>. ML 2.3 (BRK). Felt at Suisun Bay.
	18	12 39 45.7?	39.68	N	63.00	E	33	N	4.4		0.7	6	UZBEK SSR
	18	13 00 08.0•	38.302	N	25.218	E	10	G			1.2	5	AEGEAN SEA. ML 3.2 (ATH).
	18	13 48 24.9	38.239	N	25.249	E	10	G	4.2		1.3	41	AEGEAN SEA. ML 4.2 (ATH), 3.8 (THE).
	18	14 17 55.2	44.642	N	111.078	W	5	G			0.9	10	HEBGEN LAKE REGION. ML 3.2 (NEIS). Felt (II) at West Yellowstone, Montana. Also felt (II) at Old Faithful, Yellowstone National Park.
	18	14 52 38.0•	38.499	N	24.939	E	10	G			1.2	5	AEGEAN SEA. ML 3.2 (ATH).
	18	16 14 20.4•	45.205	N	26.669	E	33	N			0.9	5	ROMANIA
	18	16 22 25.1?	15.81	N	60.39	W	33	N			1.5	10	LEEWARD ISLANDS. ML 3.1 (FDF).
	18	19 30 30.2•	38.365	N	25.099	E	10	G			1.5	11	AEGEAN SEA. ML 3.6 (ATH).
	18	21 08 28.0	40.768	N	27.552	E	10	G			1.5	12	TURKEY
	18	21 37 19.8	44.105	N	11.882	E	10	G			1.2	23	NORTHERN ITALY. ML 3.5 (LDG), 3.3 (KBA).
	18	22 26 51.0	18.020	S	69.529	W	164	•			1.0	15	NORTHERN CHILE
	18	23 52 21.1	28.681	N	142.453	E	33	N	4.9		1.2	35	BONIN ISLANDS REGION
	19	00 15 08.8•	14.765	N	119.520	E	33	N	4.3		0.9	7	LUZON, PHILIPPINE ISLANDS

	19	00	27	13.17	46.10	N	154.99	E	33	N	4.6	0.8 9 KURIL ISLANDS REGION
	19	02	00	34.3	43.028	N	8.433	W	10	G		0.8 11 PYRENEES. ML 2.6 (LDG).
	19	03	34	01.8?	31.12	N	142.09	E	33	N	4.3	1.0 7 SOUTH OF HONSHU, JAPAN
	19	03	45	45.8?	46.02	N	153.26	E	33	N	4.5	1.5 8 KURIL ISLANDS
	19	04	01	02.5	35.228	N	137.229	E	29	•		0.9 12 HONSHU, JAPAN. Felt (II JMA) at Nagoya.
	19	05	00	57.1•	38.377	N	25.295	E	10	G		1.5 9 AEGEAN SEA. ML 3.6 (ATH).
	19	05	20	42.3•	10.250	S	178.505	E	33	N	4.7	1.4 22 FIJI ISLANDS
	19	07	57	03.5•	56.202	N	160.878	W	132		4.2	0.8 19 ALASKA PENINSULA
	19	08	59	47.5•	17.561	S	178.771	W	595	•	4.5	1.0 56 FIJI ISLANDS REGION
	19	09	01	49.9	43.177	N	8.487	W	12			0.7 25 PYRENEES. ML 3.9 (LDG).
	19	10	04	53.3?	36.67	N	2.37	W	33	N		1.6 5 STRAIT OF GIBRALTAR
	19	11	49	01.5?	51.77	N	16.57	E	10	G		0.6 10 POLAND. ML 3.0 (GRF), 3.6 (VKA), 3.6 (KBA).
	19	13	04	45.7•	3.342	S	146.356	E	33	N	4.4	1.5 8 BISMARCK SEA
	19	13	36	41.7?	32.86	S	73.64	W	33	N		1.4 17 OFF COAST OF CENTRAL CHILE
	19	14	37	18.7•	19.087	S	168.811	E	146	•	5.0	1.6 38 VANUATU ISLANDS
	19	14	57	26.6	28.733	N	142.566	E	33	N	4.9	1.1 51 BONIN ISLANDS REGION
o	19	17	56	44.7	53.278	N	161.658	E	33	N	5.1 4.5	0.8 106 OFF EAST COAST OF KAMCHATKA
	19	18	30	23.0•	15.565	S	70.320	W	234	•	4.1	0.4 7 SOUTHERN PERU
	19	19	42	25.8&	59.004	N	152.293	W	72			33 SOUTHERN ALASKA. <AGS-P>.
	19	19	47	04.2•	45.519	N	5.692	E	10	G		1.4 9 FRANCE. ML 2.6 (LDG).
	19	22	05	11.8	43.113	N	8.472	W	14			0.6 15 PYRENEES. ML 3.3 (LDG).
	19	22	12	54.4•	6.641	S	129.775	E	162	?	4.5	1.7 19 BANDA SEA
	19	23	21	09.3?	46.85	N	27.16	W	10	G	4.4	1.3 21 NORTH ATLANTIC RIDGE
e	19	23	28	09.1	9.286	S	79.018	W	62		5.5	1.1 145 OFF COAST OF NORTHERN PERU. Felt (IV) at Chimbote, Casma and Trujillo and (II) at Carhuaz and Huaraz.
	19	23	35	29.3•	16.723	N	61.109	W	10	G		0.5 5 LEEWARD ISLANDS. ML 2.4 (FDF).
	20	00	03	12.7	24.983	N	95.356	E	147	•	4.5	0.7 39 BURMA
	20	00	53	52.2•	8.174	S	117.983	E	33	N	3.7	1.3 12 SUMBAWA ISLAND REGION
	20	00	54	02.8•	44.670	N	8.585	E	10	G		0.6 7 NORTHERN ITALY. ML 3.1 (LDG).
	20	01	18	13.6	45.050	N	10.399	E	10	G		1.3 29 NORTHERN ITALY. ML 3.3 (LDG), 3.2 (KBA).
	20	01	22	42.4•	5.263	S	151.717	E	78	•	4.6	1.2 10 NEW BRITAIN REGION
	20	01	25	02.2?	42.98	N	0.14	W	10	G		1.4 6 PYRENEES. ML 2.7 (LDG).
	20	01	45	33.9•	15.308	S	172.813	W	33	N	4.6	0.9 14 SAMOA ISLANDS REGION
	20	02	08	39.4•	2.563	S	141.322	E	33	N	4.7	1.3 13 NEAR N COAST OF PAPUA NEW GUINEA
	20	02	26	58.9	43.031	N	0.514	W	10	G		1.4 11 PYRENEES. ML 2.5 (LDG).
	20	02	31	55.3•	44.136	N	114.925	W	5	G		0.8 6 WESTERN IDAHO. ML 2.8 (NEIS).
	20	02	34	19.8	24.819	N	123.376	E	29		5.0	1.0 17 SOUTHWESTERN RYUKYU ISLANDS
	20	03	14	00.6	24.895	N	123.404	E	33	N	5.1	1.3 18 SOUTHWESTERN RYUKYU ISLANDS
	20	03	14	42.7	40.706	N	24.223	E	10	G		0.9 9 AEGEAN SEA
	20	03	24	42.0•	5.845	S	154.388	E	53	•	4.8	1.3 12 SOLOMON ISLANDS
	20	04	31	39.3•	37.634	N	29.784	E	10	G		1.2 7 TURKEY
	20	04	35	59.4?	7.57	S	129.88	E	151	?	4.3	1.2 8 BANDA SEA
f	20	07	03	30.8	2.394	S	139.309	E	33	N	6.1 6.7	1.1 281 NEAR N. COAST OF WEST IRIAN. Ms 6.5 (BRK). Felt in the northern coastal area.
	20	07	09	55.6•	6.359	N	72.333	W	33	N		1.9 6 NORTHERN COLOMBIA
	20	09	07	59.5?	2.52	S	139.30	E	33	N	3.8	1.4 9 NEAR N. COAST OF WEST IRIAN
	20	09	14	20.5%	41.130	N	27.762	E	10	G		0.2 6 TURKEY
	20	09	17	18.2	10.914	S	161.019	E	33	N	5.1	1.0 17 SOLOMON ISLANDS
	20	09	32	31.7•	17.842	S	175.977	W	193	?	5.0	1.4 31 TONGA ISLANDS
	20	09	59	57.8	57.426	N	60.255	W	10	G	4.7	1.2 56 EAST OF LABRADOR. mbLg 4.9 (OTT).
	20	11	27	08.2	40.127	N	29.342	E	10	G		0.3 8 TURKEY
	20	11	45	14.2•	2.440	S	139.123	E	33	N	4.6	1.0 16 NEAR N. COAST OF WEST IRIAN
	20	11	48	03.5?	34.16	S	70.79	W	33	N		1.4 6 CHILE-ARGENTINA BORDER REGION
	20	12	54	00.9&	61.488	N	150.632	W	58			31 SOUTHERN ALASKA. <AGS-P>.
	20	13	14	16.7	64.902	N	148.678	W	33	N		1.1 11 CENTRAL ALASKA. ML 4.1 (PNR).
	20	13	39	34.7•	32.507	S	71.356	W	33	N		0.7 12 NEAR COAST OF CENTRAL CHILE
	20	16	33	22.0	5.401	S	146.860	E	239		4.7	0.9 18 EAST PAPUA NEW GUINEA REGION
	20	16	40	31.5•	48.847	N	122.366	W	5	G		0.9 6 WASHINGTON. ML 2.8 (NEIS). Felt (III) at Lynden and Nugents Corner. Felt (II) at Bellingham, Deming and Sumas
	20	16	55	37.4	32.130	N	92.189	E	33	N	4.8	1.8 24 TIBET
	20	23	12	29.9	37.010	N	116.027	W	5	G	4.0	0.4 31 SOUTHERN NEVADA. ML 4.0 (BRK).
	20	23	30	33.0?	19.32	N	61.72	W	10	G		0.8 11 LEEWARD ISLANDS. ML 3.8 (FDF).
	21	00	03	24.0	37.023	N	115.940	W	5	G		0.6 6 SOUTHERN NEVADA. ML 2.8 (NEIS).
	21	00	31	44.4	22.765	S	71.410	W	33	N	4.5	1.1 23 OFF COAST OF NORTHERN CHILE
o	21	01	11	29.0	15.201	S	173.348	W	33	N	5.2 4.6	0.9 70 TONGA ISLANDS
	21	01	36	08.2•	2.396	S	139.141	E	33	N	3.9	1.4 14 NEAR N. COAST OF WEST IRIAN
	21	03	28	01.5•	19.705	N	145.613	E	110	G	4.3	0.7 12 MARIANA ISLANDS
	21	04	23	12.1?	48.44	N	3.71	W	11			1.5 11 FRANCE. ML 3.3 (LDG).
	21	05	54	56.1•	11.505	N	87.521	W	33	N	4.0	1.1 19 NEAR COAST OF NICARAGUA
	21	06	28	52.2?	33.42	S	72.89	W	33	N		0.3 9 OFF COAST OF CENTRAL CHILE
	21	06	35	59.4&	35.830	N	117.770	W	4			8 CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	21	12	00	24.5•	24.444	N	123.110	E	33	N	4.0	1.4 9 SOUTHWESTERN RYUKYU ISLANDS
	21	12	01	41.8•	77.033	N	106.313	W	10	G		0.8 6 QUEEN ELIZABETH ISLANDS
	21	13	06	43.6%	60.480	N	5.385	E	10	G		0.4 6 SOUTHERN NORWAY. MD 1.2 (BER).
	21	13	34	46.6%	59.370	N	5.347	E	10	G		0.5 5 SOUTHERN NORWAY. MD 1.6 (BER).
	21	13	37	11.2	38.378	N	25.166	E	16		4.1	0.9 35 AEGEAN SEA. ML 4.3 (ATH), 4.0 (THE). Felt at Kardamylo.
	21	13	45	48.2•	38.509	N	25.122	E	11			1.5 10 AEGEAN SEA
	21	14	38	49.6?	25.70	S	179.43	W	450	?	4.5	1.2 14 SOUTH OF FIJI ISLANDS
	21	15	14	43.7•	24.604	N	123.007	E	33	N	4.5	1.4 9 SOUTHWESTERN RYUKYU ISLANDS
	21	15	33	59.1?	6.35	N	126.02	E	50	?	3.7	0.9 12 MINDANAO, PHILIPPINE ISLANDS
	21	17	20	25.5&	62.545	N	150.884	W	79			34 CENTRAL ALASKA. <AGS-P>.
	21	17	22	48.3•	50.089	N	19.130	E	10	G		1.6 5 POLAND. ML 2.6 (KRA).
	21	17	40	59.1•	0.156	S	127.106	E	86	?	4.6	0.8 7 HALMAHERA
	21	18	06	38.1•	44.479	N	2.435	E	10	G		1.1 11 FRANCE. ML 3.2 (LDG).
	21	18	09	30.6%	44.727	N	2.304	E	10	G		0.4 8 FRANCE. ML 2.5 (LDG).
	21	18	31	21.2	19.330	S	173.156	W	33	N	5.1	0.7 46 TONGA ISLANDS
	21	20	10	46.9	20.897	S	178.383	W	550		4.7	1.0 29 FIJI ISLANDS REGION
	21	21	19	35.8?	42.53	N	7.83	E	10	G		0.4 5 WESTERN MEDITERRANEAN SEA. ML 2.6 (LDG).
	21	21	51	53.2?	18.13	S	166.27	E	33	N	3.6	0.7 6 VANUATU ISLANDS REGION
	21	21	53	24.9•	6.116	S	151.328	E	33	N	3.8	1.3 5 NEW BRITAIN REGION
e	21	23	36	17.5	1.982	N	126.537	E	33	N	5.6 5.4	1.1 193 MOLUCCA PASSAGE
	21	23	52	20.8	21.922	S	179.529	W	619	•	4.8	0.8 24 FIJI ISLANDS REGION

	22	00	22	52.47	15.64	N	61.29	W	140	?			0.7	9	LEEWARD ISLANDS
	22	00	36	59.87	7.16	N	73.46	W	139	?			0.3	5	NORTHERN COLOMBIA
	22	00	42	10.47	38.31	N	25.19	E	10	G			0.2	4	AEGEAN SEA. ML 3.1 (ATH).
	22	00	47	23.7•	38.474	N	25.136	E	10	G			1.4	13	AEGEAN SEA. ML 3.5 (ATH).
	22	04	50	32.8	24.613	N	122.643	E	29		4.3		1.2	22	TAIWAN REGION
	22	05	25	36.6	1.908	N	126.446	E	33	N	5.0		1.0	52	MOLUCCA PASSAGE
	22	06	51	52.37	34.34	S	72.60	W	33	N			1.1	13	NEAR COAST OF CENTRAL CHILE
	22	07	28	23.7&	40.980	N	73.834	W	6					17	NEW YORK. <PAL>. ML 2.7 (PAL). Felt (IV) at Mount Vernon, Pelham, Rye, Scarsdale and Yonkers. Felt (III) at Ardsley and Ardsley-on-Hudson.
	22	07	33	45.7	26.388	S	27.284	E	5	G	4.7		1.3	14	REPUBLIC OF SOUTH AFRICA
	22	07	37	11.3	45.916	N	11.363	E	10	G			0.9	9	NORTHERN ITALY. ML 2.7 (KBA).
	22	08	23	55.1	33.792	S	71.732	W	10	G			0.5	9	NEAR COAST OF CENTRAL CHILE
	22	09	29	51.6	31.850	N	76.789	E	33	N	4.7		0.8	18	NORTHERN INDIA
	22	10	26	51.47	53.66	N	170.80	W	33	N	4.5		1.1	6	FOX ISLANDS, ALEUTIAN ISLANDS
	22	11	37	36.8?	35.96	N	10.55	W	10	G			0.9	8	NORTH ATLANTIC OCEAN. MG 3.5 (MDD).
	22	13	18	21.4•	3.762	S	134.389	E	154	?	5.0		1.0	7	WEST IRIAN REGION
	22	13	33	59.6?	39.59	N	29.50	E	10	G			0.9	5	TURKEY
	22	14	13	26.3?	28.59	S	70.64	W	33	N			0.5	5	CENTRAL CHILE
	22	14	30	00.0&	37.264	N	116.440	W	0		5.3	4.2		197	SOUTHERN NEVADA. <DOE>. ML 5.4 (BRK). 37° 15' 59.82" N., 116° 26' 24.73" W., Surface Elev. 1982 m., Depth of Burial 600 m., Shot Time 143000.986, "JEFFERSON", Nevada Test Site (Dept. of Energy)
	22	15	06	49.3%	46.326	N	5.424	E	10	G			1.0	7	FRANCE. ML 2.6 (LDG).
	22	17	21	18.3•	72.176	N	130.468	W	10	G	5.0		1.3	13	BEAUFORT SEA
	22	17	47	50.1&	36.753	N	121.487	W	4					10	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	22	18	27	43.2•	32.479	S	71.569	W	33	N			1.1	9	NEAR COAST OF CENTRAL CHILE
	22	18	28	59.9	19.071	S	68.324	W	74	•			1.0	10	CHILE-BOLIVIA BORDER REGION
a	22	18	35	48.1	29.035	S	177.661	W	57	D	5.4		1.0	80	KERMADEC ISLANDS
	22	20	29	20.3•	28.689	N	141.155	E	33	N	5.1		1.5	9	BONIN ISLANDS REGION
	22	20	33	35.9	37.991	N	20.209	E	31		4.6		0.9	42	IONIAN SEA. ML 4.4 (ATH), 4.0 (THE).
	22	21	25	13.1	6.179	S	104.673	E	33	N	4.8		1.2	22	SUNDA STRAIT
	22	21	36	06.9•	7.422	S	129.411	E	33	N	4.7		1.3	6	BANDA SEA
a	22	21	53	03.0•	50.113	S	163.937	E	10	G	4.8		1.5	16	AUCKLAND ISLANDS REGION
	22	22	38	31.6?	17.48	N	61.90	W	84	?			0.3	11	LEEWARD ISLANDS
	22	23	30	59.2•	9.366	S	155.829	E	10	G	4.6		1.1	10	DENTRECASTEAUX ISLANDS REGION
	23	00	22	32.4?	41.59	N	22.45	E	10	G			1.8	5	YUGOSLAVIA
	23	01	11	10.1•	41.285	N	23.999	E	10	G			0.7	6	GREECE-BULGARIA BORDER REGION
	23	01	55	47.9	31.210	S	67.450	W	130	•			0.8	16	SAN JUAN PROVINCE, ARGENTINA
	23	03	37	00.9&	58.855	N	153.079	W	64					24	KODIAK ISLAND REGION. <AGS-P>.
	23	04	36	23.2%	60.954	N	4.755	E	10	G			0.8	5	SOUTHERN NORWAY. MD 2.2 (BER).
	23	04	43	51.3&	19.385	N	155.271	W	31					49	HAWAII. <HVO-P>. ML 4.4 (HVO). Felt widely on Hawaii. Also several felt reports from Oahu.
	23	09	09	48.7?	0.73	S	138.26	E	33	N	4.3		1.0	7	WEST IRIAN REGION
a	23	09	11	53.1	30.563	N	141.971	E	14		5.6	5.7	1.1	247	SOUTH OF HONSHU, JAPAN. Ms 5.9 (PAS).
	23	10	08	59.5	56.162	N	160.548	E	164	D	4.6		0.7	40	KAMCHATKA
	23	12	13	03.3	3.111	N	127.625	E	114	•	5.1		1.1	34	TALAUD ISLANDS
	23	12	28	29.6?	0.32	N	98.86	E	90	?	4.4		1.5	11	NORTHERN SUMATERA
	23	14	39	18.5%	60.734	N	5.528	E	10	G			0.1	5	SOUTHERN NORWAY. MD 1.9 (BER).
	23	15	17	08.9	47.442	N	89.610	E	33	N	5.0	3.9	0.8	100	NORTHERN XINJIANG, CHINA
	23	16	35	06.3&	37.407	N	121.800	W	5	G				10	CENTRAL CALIFORNIA. <BRK>. ML 2.2 (BRK). Felt in the Altamont and Milpitas sections of San Jose.
	23	17	07	09.6•	46.365	N	13.528	E	10	G			1.0	6	AUSTRIA. MD 2.1 (TRI).
	23	17	47	27.7•	4.300	N	125.144	E	33	N	4.9		0.5	8	TALAUD ISLANDS
a	23	20	27	12.7	3.868	S	80.983	W	46	D	5.4	4.4	0.9	186	PERU-ECUADOR BORDER REGION. Felt in the Tumbes, Peru area.
	23	22	56	12.5	38.558	N	25.158	E	5		3.8		0.6	24	AEGEAN SEA. ML 4.0 (ATH).
	23	23	52	51.1	5.081	N	94.035	E	33	N	4.5		0.8	21	NORTHERN SUMATERA
a	24	00	22	16.7	47.435	N	89.651	E	33	N	4.9	4.1	0.8	98	NORTHERN XINJIANG, CHINA
	24	01	04	12.8?	5.90	N	126.36	E	33	N	4.4		0.6	8	MINDANAO, PHILIPPINE ISLANDS
	24	02	01	48.7&	32.440	N	115.250	W	6	G				8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	24	02	31	23.8&	32.450	N	115.290	W	6	G				6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS).
	24	02	36	47.4?	30.84	N	141.69	E	58	?	4.2		1.1	16	SOUTH OF HONSHU, JAPAN
	24	02	43	41.2•	32.099	S	71.647	W	69	•	4.6		1.3	25	NEAR COAST OF CENTRAL CHILE
	24	02	58	12.2•	58.176	S	26.226	W	33	N	5.3		1.4	23	SOUTH SANDWICH ISLANDS REGION
	24	03	42	36.8?	17.09	N	62.38	W	10	G			0.2	7	LEEWARD ISLANDS. ML 3.0 (FDF).
	24	04	43	48.1	36.104	S	143.411	E	33	N			0.6	7	VICTORIA, AUSTRALIA. ML 3.2 (TOO), 2.9 (STK).
	24	05	08	46.7•	37.342	N	72.018	E	33	N	4.0		0.6	5	TAJIK SSR
	24	05	48	44.8?	10.87	S	112.72	E	33	N			1.4	5	SOUTH OF JAVA
	24	07	10	42.8•	35.211	S	70.637	W	33	N	4.2		1.5	20	CHILE-ARGENTINA BORDER REGION
	24	09	32	24.6?	27.96	N	53.01	E	33	N	4.4		1.3	8	SOUTHERN IRAN
	24	09	46	22.3?	16.77	N	61.14	W	33	N			1.1	6	LEEWARD ISLANDS. ML 2.7 (PAG).
	24	11	32	07.9?	61.68	N	5.53	E	10	G			1.3	5	SOUTHERN NORWAY. MD 2.1 (BER).
	24	11	38	59.0•	4.178	S	134.888	E	33	N	4.7		1.4	11	WEST IRIAN REGION
	24	12	16	21.6	38.483	N	25.181	E	10	G			1.4	16	AEGEAN SEA. ML 3.7 (ATH).
	24	13	44	01.2?	16.96	N	61.23	W	33	N			0.1	5	LEEWARD ISLANDS
	24	13	49	15.1•	4.470	S	134.922	E	33	N	3.9		1.4	5	WEST IRIAN REGION
	24	14	41	13.9•	50.473	N	5.783	E	10	G			0.7	5	BELGIUM
	24	16	28	37.3•	28.214	N	140.655	E	33	N	4.6		1.4	17	BONIN ISLANDS REGION
	24	18	35	04.5•	12.546	S	166.907	E	33	N	5.1		1.0	26	SANTA CRUZ ISLANDS
	24	20	17	05.4%	16.008	N	60.934	W	31	•			0.4	8	LEEWARD ISLANDS. ML 2.7 (FDF).
	24	21	56	18.9•	34.317	N	26.147	E	10	G	3.7		0.9	14	CRETE
	24	21	56	56.4%	60.809	N	5.053	E	10	G			0.2	5	SOUTHERN NORWAY. MD 1.6 (BER).
	25	01	08	42.2•	32.758	S	71.461	W	33	N			1.0	14	NEAR COAST OF CENTRAL CHILE
	25	01	10	36.7	5.416	N	78.316	W	10	G	4.8	3.4	1.2	30	SOUTH OF PANAMA
	25	02	45	26.5?	7.70	S	130.13	E	193	?	3.9		0.6	9	TANIMBAR ISLANDS REGION
	25	03	45	19.5&	62.124	N	150.304	W	56					41	CENTRAL ALASKA. <AGS-P>.
	25	04	23	37.5	45.834	N	10.258	E	8				0.8	12	NORTHERN ITALY. ML 2.8 (KBA).
	25	05	00	48.3	38.414	N	25.174	E	28		4.5	4.1	1.1	94	AEGEAN SEA. ML 4.7 (ATH), 4.3 (THE). Felt in eastern Greece.
	25	05	21	39.6?	33.95	S	71.71	W	33	N			1.3	8	NEAR COAST OF CENTRAL CHILE
	25	05	23	34.5%	45.566	N	10.176	E	10	G			0.4	10	NORTHERN ITALY. ML 2.9 (LDG).
	25	06	30	58.3•	34.936	N	73.602	E	33	N	3.9		1.5	6	PAKISTAN

	25	07	11	02.9Y	36.43	N	140.50	E	33	N			0.6	6	NEAR EAST COAST OF HONSHU, JAPAN
	25	07	23	48.0Y	38.23	N	25.26	E	10	G			0.7	4	AEGEAN SEA. ML 3.2 (ATH).
	25	08	15	41.9%	44.975	N	28.264	E	10	G			1.1	5	ROMANIA
	25	09	26	25.4%	59.773	N	5.551	E	10	G			0.4	5	SOUTHERN NORWAY. MD 1.8 (BER).
	25	09	31	20.7	42.536	N	24.338	E	10	G			1.4	9	BULGARIA
	25	10	02	07.8%	40.890	N	28.728	E	10	G			0.5	8	TURKEY
	25	11	34	09.5%	60.305	N	5.395	E	10	G			0.2	6	SOUTHERN NORWAY. MD 1.3 (BER).
	25	11	37	27.6Y	51.69	N	16.35	E	10	G			0.5	9	POLAND. ML 3.7 (VKA), 3.5 (KBA).
	25	11	44	01.0Y	38.28	N	25.28	E	10	G			0.3	4	AEGEAN SEA. ML 3.2 (ATH).
	25	12	00	55.9•	38.375	N	25.195	E	10	G			0.9	5	AEGEAN SEA. ML 3.1 (ATH).
	25	12	09	51.6•	38.375	N	25.123	E	10	G			1.3	5	AEGEAN SEA. ML 3.3 (ATH).
	25	12	24	18.2%	38.792	N	31.169	E	10	G			1.0	8	TURKEY
	25	13	05	24.3%	60.712	N	5.476	E	10	G			0.1	5	SOUTHERN NORWAY. MD 1.9 (BER).
	25	14	34	39.5	31.330	S	69.140	W	122		4.7		1.0	25	SAN JUAN PROVINCE, ARGENTINA. Felt (III) at San Juan.
o	25	16	12	35.3	40.115	N	77.389	E	33	N	5.2	4.9	1.1	152	KIRGHIZ-XINJIANG BORDER REGION
o	25	16	47	49.5	17.254	S	174.089	W	131	D	5.4		1.0	134	TONGA ISLANDS
	25	16	59	29.6	48.042	N	6.715	E	10	G			1.2	9	FRANCE. ML 2.6 (LDG).
	25	18	07	09.0	11.485	N	142.346	E	33	N	4.7		0.8	16	SOUTH OF MARIANA ISLANDS
	25	19	20	22.2•	21.134	S	173.485	E	33	N	4.5		1.3	18	VANUATU ISLANDS REGION
	25	20	32	49.1Y	17.01	N	62.48	W	10	G			0.4	7	LEEWARD ISLANDS. ML 3.3 (PAG).
	25	20	44	43.3	9.205	S	158.510	E	51	•	4.4		1.0	19	SOLOMON ISLANDS
	25	21	04	28.0•	41.209	N	7.094	W	10	G			1.4	8	PORTUGAL. MG 3.5 (PRL). Felt at Torre de Moncorvo.
	25	21	29	20.5%	38.781	N	31.103	E	10	G			1.0	8	TURKEY
	25	23	11	25.8•	36.448	N	71.255	E	33	N	4.7		1.6	15	AFGHANISTAN-USSR BORDER REGION
	25	23	57	42.3	63.099	N	150.537	W	133	?			0.4	18	CENTRAL ALASKA
	26	00	12	00.0	37.251	N	3.697	W	17				1.1	32	SPAIN. MG 4.2 (MDD). Minor damage (V) at Granada. Felt (V) at Atarfe, Pinos Puente, Santafe and Albolote.
o	26	00	25	59.6	22.839	N	94.523	E	115	D	4.9		0.8	124	BURMA. Felt at Shillong, India.
	26	00	41	41.6•	30.665	N	113.809	W	10	G	4.3		1.0	9	GULF OF CALIFORNIA
	26	01	22	47.2%	45.735	N	2.954	E	10	G			0.4	11	FRANCE. ML 2.6 (LDG).
	26	01	38	13.9•	44.544	N	113.012	W	5	G			0.5	6	EASTERN IDAHO. ML 2.6 (NEIS).
	26	02	35	59.7Y	19.17	N	64.09	W	33	N			0.2	5	VIRGIN ISLANDS
	26	03	33	23.5%	60.307	N	4.591	E	10	G			0.7	6	SOUTHERN NORWAY. MD 1.3 (BER).
	26	03	51	26.7&	57.954	N	151.473	W	109		3.9			43	KODIAK ISLAND REGION. <AGS-P>.
	26	04	46	29.5Y	38.42	N	25.12	E	10	G			1.7	4	AEGEAN SEA
	26	05	35	28.9	37.264	N	72.090	E	131	?	4.5		0.5	21	TAJIK SSR
	26	06	17	55.4	24.051	S	69.481	W	113	D	4.4		1.5	23	NORTHERN CHILE
o	26	07	35	16.1	32.128	N	76.374	E	33	N	5.5	5.3	1.0	172	KASHMIR-INDIA BORDER REGION. Six people killed, about 30 injured and 85 percent of the houses damaged in the Dharmsala, India area. Felt at Lahore, Pakistan.
	26	08	47	15.9Y	13.81	N	59.93	W	10	G			0.1	5	WINDWARD ISLANDS. ML 2.4 (FDF).
	26	09	22	44.2•	10.911	N	86.474	W	53	•	4.5		1.0	30	OFF COAST OF COSTA RICA
	26	09	52	42.7Y	7.44	S	128.52	E	190	?	4.7		1.5	11	BANDA SEA
	26	10	39	01.5	40.517	N	22.632	E	9				1.3	26	GREECE. ML 4.3 (ATH), 3.4 (THE).
	26	10	51	03.5&	31.816	N	116.064	W	8	G				3	BAJA CALIFORNIA. <ECX-P>.
	26	12	13	34.0•	66.179	N	150.157	W	10	G			0.6	8	ALASKA. ML 3.7 (PMR).
	26	12	13	51.8•	8.365	S	129.589	E	33	N	4.4		1.5	6	TIMOR SEA
	26	13	57	18.8%	39.257	N	27.653	E	10	G			0.2	5	TURKEY
o	26	14	15	07.6	36.495	N	71.114	E	187	D	5.6		0.9	291	AFGHANISTAN-USSR BORDER REGION. Felt (V) at Khorog, (IV) at Dushanbe, Kulyab and Rogun, (III) at Dzhizak and Samarkand, and (II) at Namangan and Tashkent, USSR. Felt in the areas of Abbottabad, Islamabad, Lahore and Rawalpindi, Pakistan. Also felt in northwestern India.
	26	15	57	49.6%	45.749	N	2.969	E	10	G			0.4	11	FRANCE. ML 2.2 (LDG).
	26	17	01	56.6Y	22.15	S	139.12	W	0	G	4.8		0.5	15	TUAMOTU ARCHIPELAGO REGION
	26	17	12	24.1	50.506	N	129.814	W	10	G	4.4	4.4	1.2	49	VANCOUVER ISLAND REGION
	26	17	19	46.5	20.811	N	155.749	W	33	N	5.1		0.7	122	HAWAII. ML 5.0 (HVO). Felt (V) at Kalaupapa on Molokai and also at Papaaloa on Hawaii. Felt (IV) at several other localities on Hawaii. Also felt (IV) on Maui, Lanai, Oahu and Kauai.
	26	19	52	14.9	38.414	N	25.173	E	9		4.2		1.0	36	AEGEAN SEA. ML 4.2 (ATH), 4.0 (THE).
	26	20	00	06.8•	19.732	N	109.401	W	10	G	4.6		1.0	18	REVILLA GIGEDO ISLANDS REGION
	26	20	23	35.5	38.404	N	25.189	E	10		4.3		0.8	42	AEGEAN SEA. ML 3.9 (ATH), 3.9 (THE).
	26	20	44	26.1•	31.887	S	68.639	W	33	N			1.5	12	SAN JUAN PROVINCE, ARGENTINA
	26	20	57	48.3%	45.715	N	3.034	E	10	G			0.3	7	FRANCE. ML 1.8 (LDG)
	26	21	03	38.3•	38.178	N	25.268	E	33	N			0.8	5	AEGEAN SEA. ML 3.0 (ATH).
	26	21	07	02.0•	40.835	N	20.819	E	10	G			1.0	5	GREECE-ALBANIA BORDER REGION
	26	21	17	11.8%	6.07	S	101.88	E	33	N	4.5		1.2	9	SOUTHWEST OF SUMATERA
	26	22	25	59.1	38.468	N	25.107	E	10	G	3.2		1.2	15	AEGEAN SEA. ML 3.6 (ATH).
	26	23	30	36.3•	20.637	N	73.431	E	33	N			1.3	8	INDIA
	26	23	49	20.0•	31.342	S	13.516	W	10	G	4.7	5.0	1.2	19	SOUTH ATLANTIC RIDGE
	26	23	59	45.7&	59.997	N	151.708	W	49					30	KENAI PENINSULA, ALASKA. <AGS-P>.
	27	00	04	33.7	45.497	N	26.970	E	41		4.8		1.2	174	ROMANIA
	27	00	24	12.8•	33.969	S	70.947	W	33	N			0.9	7	CHILE-ARGENTINA BORDER REGION
	27	00	29	59.5	45.500	N	27.082	E	51	•	3.5		1.3	32	ROMANIA
	27	02	20	28.5•	5.266	N	125.503	E	199	•	4.8		1.1	24	MINDANAO, PHILIPPINE ISLANDS
	27	03	10	25.3	0.119	S	122.973	E	162	D	5.0		1.3	68	MINAHASSA PENINSULA
o	27	03	24	06.2	31.140	S	13.482	W	10	G	5.7	5.7	0.9	194	SOUTH ATLANTIC RIDGE
	27	05	17	29.7Y	2.62	S	139.98	E	33	N	3.8		1.6	7	NEAR N. COAST OF WEST IRIAN
	27	06	04	23.6%	45.574	N	27.061	E	33	N			1.2	5	ROMANIA
	27	06	08	31.8&	60.393	N	152.162	W	85					26	SOUTHERN ALASKA. <AGS-P>.
	27	06	52	40.5•	2.354	S	139.192	E	33	N	4.0		1.2	15	NEAR N. COAST OF WEST IRIAN
	27	07	53	15.5Y	61.00	N	7.38	E	10	G			1.3	5	SOUTHERN NORWAY. MD 1.5 (BER).
	27	07	56	22.3Y	35.99	N	70.82	E	33	N	4.6		0.7	6	HINDU KUSH REGION
	27	08	19	19.8•	36.351	N	70.476	E	230	?	4.4		0.6	16	HINDU KUSH REGION
	27	08	25	01.8•	31.587	S	67.955	W	13				1.0	11	SAN JUAN PROVINCE, ARGENTINA
e	27	09	23	44.5	17.950	S	178.386	W	572		5.4		0.9	178	FIJI ISLANDS REGION
	27	09	27	02.8	34.648	N	23.301	E	10	G	4.8	4.2	1.1	150	CRETE
e	27	09	46	28.5	6.841	S	154.528	E	35		5.4	4.9	0.9	96	SOLOMON ISLANDS
	27	10	21	19.3%	40.880	N	28.724	E	10	G			0.6	6	TURKEY
	27	10	50	39.8%	45.324	N	26.433	E	10	G			1.2	6	ROMANIA
	27	10	55	41.2&	59.723	N	152.918	W	96		4.0			49	SOUTHERN ALASKA. <AGS-P>. Felt at Homer.
	27	11	23	13.0%	40.882	N	28.724	E	10	G			0.5	6	TURKEY

	27	12	01	14.5%	45.714	N	2.980	E	10	G		0.4	6 FRANCE. ML 1.9 (LDG).
	27	12	30	53.3•	28.159	N	140.604	E	33	N	4.9	1.0	8 BONIN ISLANDS REGION
	27	13	35	27.9&	62.182	N	150.250	W	65				31 CENTRAL ALASKA. <AGS-P>.
	27	14	42	22.8?	32.84	S	71.41	W	20	•		1.1	10 NEAR COAST OF CENTRAL CHILE
	27	16	09	11.8•	37.610	N	23.052	E	78	?		0.8	8 SOUTHERN GREECE
	27	16	14	29.1	30.518	N	113.885	W	10	G	5.0	1.0	71 GULF OF CALIFORNIA
	27	16	45	46.4%	45.595	N	27.042	E	33	N		1.0	5 ROMANIA
	27	16	50	37.6%	61.413	N	2.290	E	10	G		0.9	5 NORWEGIAN SEA. MD 1.8 (BER).
	27	17	09	40.6•	40.008	N	77.637	E	33	N	4.8	1.4	10 KIRGHIZ-XINJIANG BORDER REGION
	27	18	27	32.6	48.018	N	6.672	E	10	G		1.0	9 FRANCE. ML 2.6 (LDG).
	27	19	27	11.1?	45.56	N	27.08	E	27	?		0.8	5 ROMANIA
	27	19	59	14.4%	45.206	N	26.549	E	10	G		1.6	6 ROMANIA
	27	19	59	54.8?	43.04	N	25.51	E	10	G		0.7	5 BULGARIA
	27	20	18	26.7%	45.337	N	26.463	E	10	G		1.2	6 ROMANIA
	27	20	38	41.5•	1.067	S	127.551	E	46	?	4.8	1.4	11 HALMAHERA
	27	20	43	00.4•	21.168	S	69.048	W	150	•		0.2	6 NORTHERN CHILE
	27	20	49	40.1?	15.79	N	61.09	W	33	N		0.4	5 LEEWARD ISLANDS. ML 2.1 (FDF).
	27	21	45	54.6•	35.949	S	178.105	E	215	•	5.0	1.4	30 OFF E. COAST OF N. ISLAND, N.Z.
	27	22	00	31.2	52.775	N	168.593	W	33	N	4.8	0.8	98 FOX ISLANDS, ALEUTIAN ISLANDS
	27	22	15	58.1%	48.041	N	6.694	E	10	G		0.5	5 FRANCE. ML 2.1 (LDG).
	27	22	46	05.1	9.186	S	110.925	E	33	N	4.6	1.0	13 SOUTH OF JAVA
	27	23	36	11.1	5.197	S	144.964	E	84		4.9	0.9	29 PAPUA NEW GUINEA
	27	23	57	45.2?	30.39	N	141.06	E	155	•	4.4	0.4	12 SOUTH OF HONSHU, JAPAN
	28	00	22	22.4&	63.080	N	149.866	W	161				16 CENTRAL ALASKA. <AGS-P>.
	28	00	46	46.9%	45.339	N	26.444	E	10	G		1.4	5 ROMANIA
	28	02	29	32.1?	33.71	S	70.43	W	90	?		0.1	9 CHILE-ARGENTINA BORDER REGION
	28	02	49	00.0	30.180	S	71.102	W	130	•		0.9	18 NEAR COAST OF CENTRAL CHILE
	28	03	12	52.2%	45.425	N	27.047	E	10	G		1.4	6 ROMANIA
	28	03	47	34.8	16.560	N	120.857	E	9		5.1	1.4	58 LUZON, PHILIPPINE ISLANDS. Felt (IV) at Baguio. Also felt at Dagupan.
	28	03	56	49.8%	45.642	N	27.295	E	10	G		1.1	6 ROMANIA
	28	04	08	55.8•	48.338	N	146.468	E	459	?	4.4	0.6	25 SEA OF OKHOTSK
	28	04	09	46.3•	17.529	S	178.236	W	443		4.7	0.9	34 FIJI ISLANDS REGION
	28	04	39	48.1%	59.854	N	5.853	E	10	G		0.4	5 SOUTHERN NORWAY. MD 1.7 (BER).
	28	06	31	18.0•	0.250	N	124.647	E	83	?	4.9	1.4	10 MINAHASSA PENINSULA
	28	07	05	15.9•	31.779	N	130.796	E	21	•		0.7	6 KYUSHU, JAPAN
	28	07	20	25.5?	29.52	S	177.32	W	33	N	4.8	0.9	9 KERMADEC ISLANDS
	28	07	32	56.1&	61.498	N	149.893	W	59				37 SOUTHERN ALASKA. <AGS-P>. Felt (III) at Anchorage and (II) at Palmer.
	28	08	22	36.3	17.232	N	95.163	W	113		4.5	1.0	32 OAXACA, MEXICO. Felt in central Oaxaca
	28	08	36	12.2•	31.555	N	130.739	E	33	N		1.2	7 KYUSHU, JAPAN
	28	09	08	23.3	38.495	N	25.162	E	16			1.1	19 AEGEAN SEA. ML 3.8 (ATH), 3.6 (THE).
	28	09	08	27.0	66.712	N	9.405	E	10	G		1.0	16 NORWEGIAN SEA
	28	10	12	11.1%	60.723	N	5.568	E	10	G		0.7	6 SOUTHERN NORWAY. MD 1.9 (BER).
	28	10	27	59.0•	7.226	S	129.592	E	128	?		1.2	11 BANDA SEA
	28	10	45	59.2?	17.63	S	178.89	W	612	?	4.7	0.7	18 FIJI ISLANDS REGION
	28	11	23	13.0%	40.880	N	28.721	E	10	G		0.6	5 TURKEY
	28	12	28	13.5	8.363	S	122.057	E	68	•	5.1	1.2	39 FLORES ISLAND REGION
	28	12	51	08.3•	44.573	N	114.879	W	5	G		1.4	6 WESTERN IDAHO. ML 2.5 (NEIS).
	28	13	00	16.0&	34.009	N	106.821	W	5	G			2 NEW MEXICO. <GLD>. MD 2.6 (GLD). Felt at Lewis Lopez.
	28	13	27	52.3?	20.71	N	73.37	E	33	N		1.9	5 INDIA
	28	13	32	24.9	40.754	N	139.185	E	33	N	4.7	0.6	13 NEAR WEST COAST OF HONSHU, JAPAN
	28	13	43	12.0	15.017	S	75.501	W	57	•	4.8 4.1	1.1	31 NEAR COAST OF PERU
	28	14	13	40.7?	38.31	N	25.17	E	10	G		0.2	4 AEGEAN SEA. ML 2.9 (ATH).
	28	14	57	43.6	38.471	N	25.115	E	10	G	3.6	1.0	28 AEGEAN SEA. ML 3.7 (ATH), 3.5 (THE).
	28	15	09	13.6•	36.021	N	137.462	E	10	G		0.7	7 HONSHU, JAPAN
	28	15	52	54.1%	60.161	N	4.886	E	10	G		0.1	6 SOUTHERN NORWAY. MD 2.3 (BER).
	28	15	54	37.9•	13.489	S	167.064	E	33	N	5.2	1.3	31 VANUATU ISLANDS
	28	16	05	46.8•	9.195	S	30.403	E	10	G	4.4	1.3	7 LAKE TANGANYIKA REGION
	28	17	33	47.8&	37.478	N	121.693	W	7				18 CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=6.4e10••21 (BRK). Felt at Fremont and Pleasanton.
	28	17	38	11.5•	58.550	S	26.063	W	33	N	5.1	0.9	12 SOUTH SANDWICH ISLANDS REGION
	28	17	47	46.1	50.536	N	5.548	E	10	G		0.4	5 BELGIUM
	28	18	04	06.8?	25.44	N	120.13	E	33	N	4.3	1.1	6 TAIWAN REGION
	28	18	09	57.4	8.667	S	38.949	E	10	G	5.0	1.1	26 TANZANIA
	28	18	31	26.2%	45.609	N	27.178	E	10	G		1.4	5 ROMANIA
o	28	19	20	22.4	6.193	N	125.884	E	92		5.4	1.0	96 MINDANAO, PHILIPPINE ISLANDS
	28	20	25	23.9	38.423	N	25.066	E	10	G	3.2	1.0	14 AEGEAN SEA. ML 3.3 (ATH).
	28	20	32	56.5	38.393	N	25.154	E	10	G	3.7	0.9	23 AEGEAN SEA. ML 3.8 (ATH), 3.8 (THE).
	28	20	42	58.3%	39.215	N	28.139	E	10	G		1.1	7 TURKEY
	28	20	53	04.4•	1.627	N	126.667	E	33	N	4.4	1.1	9 MOLUCCA PASSAGE
	28	21	14	40.4%	16.510	N	61.326	W	28			0.5	11 LEEWARD ISLANDS. ML 3.2 (FDF).
	28	22	18	40.6&	36.815	N	121.258	W	8				28 CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Felt (IV) at Paicines and Tres Pinos.
	29	00	03	46.1	44.889	N	9.488	E	10	G		0.6	12 NORTHERN ITALY. ML 2.9 (LDG).
	29	00	57	02.3	14.945	S	167.012	E	100	•	5.1	1.3	61 VANUATU ISLANDS
	29	01	06	48.6•	22.684	S	66.220	W	265	•	3.7	1.4	7 JUJUY PROVINCE, ARGENTINA
	29	02	46	09.6?	0.26	S	16.14	W	10	G	4.6	1.1	7 NORTH OF ASCENSION ISLAND
	29	03	41	17.3•	52.712	N	160.335	E	33	N	4.9	1.1	26 OFF EAST COAST OF KAMCHATKA
	29	04	09	53.0%	15.689	N	60.844	W	30			0.4	10 LEEWARD ISLANDS. ML 2.7 (FDF)
	29	04	32	08.2	33.704	S	72.198	W	33	N		0.5	10 OFF COAST OF CENTRAL CHILE
	29	05	08	56.7•	1.753	N	99.465	E	189		4.5	0.6	8 NORTHERN SUMATERA
	29	06	13	19.1	43.681	N	16.456	E	10	G		1.2	58 YUGOSLAVIA. ML 4.2 (KBA). MD 4.1 (TRI), 4.1 (TTG). Felt at Sinj and Split.
o	29	07	28	02.4	4.550	S	133.613	E	10	G	5.4 4.9	1.1	71 WEST IRIAN REGION
	29	07	33	59.7?	26.82	N	124.34	E	221	?	4.3	0.6	11 NORTHEAST OF TAIWAN
	29	07	55	44.3	41.847	N	108.928	W	5	G		0.4	6 WYOMING. ML 2.5 (NEIS).
o	29	08	17	58.7	30.766	N	141.508	E	38		5.1 5.2	1.1	89 SOUTH OF HONSHU, JAPAN
	29	08	40	18.6%	38.746	N	27.955	E	33	N		0.2	5 TURKEY
	29	09	22	46.9%	16.917	N	62.031	W	10	G		0.1	7 LEEWARD ISLANDS. ML 3.3 (PAG).
	29	09	59	13.0%	45.529	N	27.173	E	10	G		0.9	7 ROMANIA
	29	09	59	41.1?	16.98	N	62.16	W	10	G		0.3	5 LEEWARD ISLANDS. ML 2.9 (PAG).
	29	10	00	13.5%	45.563	N	27.180	E	10	G		0.7	7 ROMANIA

	29	10	16	55.0%	39.852	N	29.366	E	10	G		0.9	5	TURKEY
	29	10	23	32.2%	45.582	N	27.163	E	10	G		1.1	5	ROMANIA
	29	10	33	04.4&	60.397	N	143.184	W	25				21	SOUTHERN ALASKA. <AGS-P>.
	29	13	32	28.27	11.18	S	164.27	E	33	N	4.3	1.7	5	SANTA CRUZ ISLANDS REGION
	29	13	45	58.7?	15.4@	S	164.06	E	33	N	3.9	1.1	5	VANUATU ISLANDS REGION
e	29	13	59	21.9	4.415	N	94.962	E	39	D	5.2 4.9	1.0	130	OFF W COAST OF NORTHERN SUMATERA
	29	14	37	59.37	30.27	N	51.67	E	33	N	3.8	1.4	6	IRAN
	29	14	48	15.1•	6.505	S	149.229	E	55	•	4.5	0.8	10	NEW BRITAIN REGION
	29	15	17	51.9	18.774	S	174.579	W	176	D	4.8	1.1	66	TONGA ISLANDS
	29	15	23	10.6•	31.480	N	88.331	E	33	N	4.6	1.6	10	TIBET
	29	15	30	07.6•	64.738	N	153.171	W	33	N		0.6	6	CENTRAL ALASKA. ML 3.6 (PWR).
	29	16	38	36.1%	69.337	N	4.874	E	10	G		0.4	5	SOUTHERN NORWAY. MD 1.2 (BER).
	29	16	42	14.1	38.398	N	25.944	E	10	G		0.9	11	AEGEAN SEA [4]
	29	16	59	16.2•	24.952	N	124.596	E	33	N	4.1	0.9	5	SOUTHWESTERN RYUKYU ISLANDS. Felt (I JMA) on Miyako-jima.
	29	19	30	09.4	16.473	N	120.840	E	10	G	4.0	0.7	9	LUZON, PHILIPPINE ISLANDS
	29	20	40	39.5?	61.13	N	7.49	E	10	G		0.3	5	SOUTHERN NORWAY. MD 1.7 (BER).
	29	22	03	35.8?	43.79	N	16.85	E	10	G		1.7	8	YUGOSLAVIA. MG 3.3 (VOY). Felt (IV) at Sinj.
	29	22	07	55.2	38.056	N	49.038	E	33	N	4.7	1.2	38	CASPIAN SEA. Felt (IV) at Lenkoran and (III) at Masally and Lerik, USSR. Felt at Astara, Iran.
	29	22	50	13.6	37.205	N	27.575	E	10	G	3.8	0.6	14	TURKEY
	29	23	12	21.6•	24.215	N	122.161	E	33	N	4.1	0.6	8	TAIWAN REGION
	29	23	17	56.8	40.804	N	27.876	E	10	G		0.9	11	TURKEY
	29	23	35	41.6	38.106	N	49.875	E	33	N	4.3	0.9	12	CASPIAN SEA
	29	23	51	10.3%	40.847	N	27.927	E	10	G		1.2	6	TURKEY
	29	23	57	18.7&	35.165	N	96.883	W	5	G			3	OKLAHOMA. <TUL>. MD 1.6 (TUL).
	30	00	54	38.4•	5.480	S	131.653	E	52	•	5.0	0.8	13	BANDA SEA
	30	01	22	35.5?	19.42	S	169.02	E	171	?	4.6	0.6	7	VANUATU ISLANDS
	30	01	29	23.0•	28.874	N	140.135	E	33	N	4.6	1.6	9	BONIN ISLANDS REGION
	30	01	51	26.2&	58.496	N	154.817	W	20				18	ALASKA PENINSULA. <AGS-P>.
	30	01	59	28.4?	50.39	N	20.01	E	10	G		1.5	5	POLAND
	30	02	16	12.8	4.439	N	95.017	E	49		4.9	0.7	77	NORTHERN SUMATERA
	30	03	36	10.7&	34.931	N	97.368	W	5	G			7	OKLAHOMA. <TUL>. MD 2.2 (TUL).
	30	04	24	48.8	35.372	N	131.919	E	33		5.1	0.8	131	SEA OF JAPAN. Felt (II JMA) at Hamada, Hiroshima, Matsue and Shimonoseki, Honshu and Fukuoka, Kyushu. Felt (I JMA) at Okayama, Honshu; Izukara, Kyushu and Kochi, Shikoku.
	30	04	27	47.8	18.175	N	145.586	E	238	•	4.9	0.9	21	MARIANA ISLANDS
	30	04	28	15.0•	46.457	N	13.036	E	10	G		1.4	5	AUSTRIA. ML 2.8 (KBA).
	30	05	13	59.3•	36.375	N	71.391	E	33	N		1.1	9	AFGHANISTAN-USSR BORDER REGION
	30	05	29	25.1•	31.579	S	68.785	W	117	?		1.2	11	SAN JUAN PROVINCE, ARGENTINA
	30	06	52	29.7%	38.753	N	26.985	E	10	G		0.8	5	AEGEAN SEA
f	30	07	07	18.1	18.404	N	102.973	W	27	G	6.2 7.0	1.2	334	MICHOACAN, MEXICO. Ms 6.9 (BRK), 6.8 (PAS). Some minor damage (V) in the Mexico City area. Slight damage at Ciudad Guzman and Guadalajara. Felt strongly in central and southwestern Mexico. Depth from broadband displacement seismograms.
	30	08	09	01.0	18.368	N	103.018	W	33	N	4.9	1.2	73	NEAR COAST OF MICHOACAN, MEXICO. Felt at Mexico City.
	30	08	12	54.2•	18.404	N	102.863	W	33	N	4.9	1.2	58	MICHOACAN, MEXICO. Felt at Mexico City.
	30	09	03	12.5•	13.167	S	167.063	E	33	N		0.8	7	VANUATU ISLANDS
	30	10	18	47.3?	59.31	N	6.88	E	10	G		1.0	6	SOUTHERN NORWAY. MD 2.3 (BER).
	30	10	47	28.2%	60.370	N	5.290	E	10	G		0.7	6	SOUTHERN NORWAY. MD 1.3 (BER).
	30	11	03	01.5?	8.98	S	114.99	E	161	?	3.7	1.3	7	BALI ISLAND REGION
	30	11	33	23.0•	27.833	S	66.393	W	33	N		0.5	5	CATAMARCA PROVINCE, ARGENTINA
o	30	14	09	39.8	18.036	S	69.453	W	106	D	5.5	0.9	193	NORTHERN CHILE. Felt (V) at Arica. Felt (V) at Tacna. (III) at Arequipa and (II) at Cuzco, Peru. Felt (II) at La Paz, Bolivia.
	30	16	35	00.7?	34.71	S	178.94	W	33	N	4.1	1.6	8	SOUTH OF KERMADEC ISLANDS
	30	17	22	24.9•	6.802	S	154.633	E	33	•	4.2	0.8	12	SOLOMON ISLANDS
o	30	17	47	52.6	47.237	S	100.101	E	10	G	5.3 5.6	1.3	43	SOUTHEAST INDIAN RISE
	30	18	12	51.3•	36.974	N	71.223	E	33	N	4.5	0.4	6	AFGHANISTAN-USSR BORDER REGION
	30	18	19	34.6?	27.46	N	53.85	E	33	N	4.2	1.3	6	SOUTHERN IRAN
	30	19	27	02.1	41.025	N	19.655	E	10	G		1.0	16	ALBANIA
	30	21	14	55.9	15.755	N	60.475	W	10	G		0.4	5	LEEWARD ISLANDS. ML 2.8 (FDF).
	30	22	07	21.7?	38.59	S	75.00	W	33	N	3.3	0.3	11	OFF COAST OF CENTRAL CHILE
	30	22	37	30.6&	40.765	N	124.538	W	18		3.5		14	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.8 (BRK). Felt (III) at Somoa. Also felt at Eureka.
	30	23	04	59.6	35.430	N	30.899	E	44		4.4	0.8	28	EASTERN MEDITERRANEAN SEA
o	30	23	14	43.7	28.699	N	130.050	E	44		5.5 5.5	0.9	224	RYUKYU ISLANDS. Felt (III JMA) at Naze and (I JMA) at Kagoshima.
	30	23	37	05.0%	40.579	N	27.133	E	10	G		0.7	7	TURKEY

ADDITIONAL SOURCE PARAMETERS

01 10 13 48.74 18.037S 178.537W 540km
5.8mb (52 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=170 Dip=70 Slip= -90
NP2: 350 20 -90
Principal Axes:
T Plg=25 Azm=260
P 65 80
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 551 No. of sta: 10
Principal Axes:
Scale 10**25 d-cm
T Val= 1.08 Plg=21 Azm=260
N 0.00 19 171
P -1.08 61 42
Best Double Couple:Mo=1.1*10**25
NP1:Strike= 29 Dip=29 Slip= -48
NP2: 163 69 -111
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 34C
Centroid Location:
Origin Time 10:13:40.0 0.2
Lat 17.87S 0.02 Lon 178.57W 0.02
Dep 562.4 1.1 Half-duration 3.7
Principal Axes:
Scale 10**24 D-CM
T Val= 9.99 Plg=23 Azm=244
N 0.79 13 340
P -10.78 63 97
Best Double Couple:Mo=1.0*10**25
NP1:Strike=309 Dip=25 Slip=-124
NP2: 165 70 -76

01 13 48 45.19 54.653N 161.588E 35km
5.7mb (98 obs.) 5.1Msz (15 obs.)
NEAR EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 13:48:51.8 0.2
Lat 54.48N 0.03 Lon 161.94E 0.04
Dep 46.6 1.8 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.16 Plg=76 Azm=323
N 0.01 5 211
P -3.16 13 120
Best Double Couple:Mo=3.2*10**24
NP1:Strike=203 Dip=32 Slip= 80
NP2: 35 58 96

02 08 46 40.14 62.796N 25.212W 10km
5.0mb (55 obs.) 5.0Msz (6 obs.)
ICELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 19C
Centroid Location:
Origin Time 08:46:46.9 0.6
Lat 61.77N 0.13 Lon 25.85W 0.17
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 10.30 Plg= 1 Azm=129
N -1.91 13 219
P -8.39 77 34
Best Double Couple:Mo=9.4*10**23
NP1:Strike=206 Dip=45 Slip=-109
NP2: 52 48 -72

02 17 49 46.97 62.638N 25.337W 10km
5.1mb (62 obs.) 4.8Msz (5 obs.)
ICELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 14C
Centroid Location:
Origin Time 17:49:50.1 0.6
Lat 62.48N 0.14 Lon 24.80W 0.24
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 10.38 Plg=13 Azm=316
N 0.51 7 224
P -10.89 76 107
Best Double Couple:Mo=1.1*10**24
NP1:Strike= 55 Dip=33 Slip= -77
NP2: 226 58 -99

03 07 39 54.50 6.381S 151.670E 33km
5.6mb (25 obs.) 4.9Msz (3 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 07:39:57.1 0.8
Lat 6.48S 0.05 Lon 151.98E 0.09
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.33 Plg=69 Azm=241
N -0.12 21 73
P -1.20 4 342
Best Double Couple:Mo=1.3*10**24
NP1:Strike= 51 Dip=45 Slip= 88
NP2: 270 53 116

05 02 29 14.39 6.869S 155.786E 73km
5.3mb (38 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 02:29:18.9 0.5
Lat 7.10S 0.07 Lon 155.67E 0.07
Dep 67.0 5.2 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 9.19 Plg=70 Azm=144
N -0.11 19 309
P -9.08 5 40
Best Double Couple:Mo=9.1*10**23
NP1:Strike=150 Dip=44 Slip= 110
NP2: 294 53 66

05 20 14 28.70 13.410S 71.785W 51km
5.3mb (19 obs.) 4.6Msz (2 obs.)
PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 20:14:25.9 0.4
Lat 13.73S 0.05 Lon 71.78W 0.06
Dep 36.3 4.7 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.93 Plg=15 Azm= 14
N -0.54 13 280
P -7.40 70 152
Best Double Couple:Mo=7.7*10**23
NP1:Strike=121 Dip=32 Slip= -65
NP2: 273 61 -104

05 22 59 10.28 44.453N 147.896E 88km
5.3mb (73 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 22:59:13.5 1.4
Lat 43.99N 0.15 Lon 147.88E 0.22
Dep 83.0 13.0 Half-duration 1.2
Principal Axes:
Scale 10**23 D-CM
T Val= 2.47 Plg= 0 Azm=150
N 1.12 63 60
P -3.59 27 240
Best Double Couple:Mo=3.0*10**23
NP1:Strike=281 Dip=71 Slip= -20
NP2: 10 71 -160

07 22 43 29.68 15.548N 94.423W 48km
5.6mb (78 obs.) 5.2Msz (8 obs.)
NEAR COAST OF OAXACA, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=330 Dip=80 Slip= -90
NP2: 150 10 -90
Principal Axes:
T Plg=35 Azm= 60
P 55 240
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 59 No. of sta: 9
Principal Axes:
Scale 10**24 d-cm
T Val= 2.21 Plg=36 Azm= 36
N 0.05 21 142
P -2.26 47 256
Best Double Couple:Mo=2.2*10**24
NP1:Strike= 69 Dip=22 Slip=-165
NP2: 324 84 -68
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 22:43:28.4 0.3
Lat 15.22N 0.06 Lon 94.61W 0.05
Dep 53.2 3.5 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.77 Plg=23 Azm= 57
N -0.51 9 151
P -2.26 65 261
Best Double Couple:Mo=2.5*10**24
NP1:Strike=138 Dip=23 Slip=-112
NP2: 335 68 -81

08 18 02 44.69 7.946S 73.869W 173km
5.8mb (79 obs.)
PERU-BRAZIL BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=320 Dip=85 Slip= -80
NP2: 86 38 -137
Principal Axes:
T Plg=15 Azm= 29
P 59 273
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate left-lateral strike-slip component. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 164 No. of sta: 7
Principal Axes:
Scale 10**24 d-cm
T Val= 3.52 Plg=18 Azm= 69
N -0.13 17 158
P -3.39 65 286
Best Double Couple:Mo=3.5*10**24
NP1:Strike=125 Dip=30 Slip=-125
NP2: 344 66 -71
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 18:02:52.5 0.3
Lat 7.76S 0.03 Lon 73.82W 0.04
Dep 179.0 1.3 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.48 Plg=20 Azm= 98
N 0.03 10 4
P -3.51 67 248
Best Double Couple:Mo=3.5*10**24
NP1:Strike=286 Dip=27 Slip= -66
NP2: 359 66 -101

09 14 32 00.33 50.982N 173.378E 33km
5.4mb (57 obs.)
ALEUTIAN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 14:32 1.5 0.4
Lat 51.05N 0.09 Lon 172.93E 0.10
Dep 15.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 5.63 Plg=16 Azm= 57
N 0.77 19 324
P -6.41 71 203

Best Double Couple:Mo=6.0e+18++23
NP1:Strike=162 Dip=38 Slip= -89
NP2: 318 62 -101

89 10 10 54.49 23.015S 66.749W 216km
5.2mb (51 obs.)
JUJUY PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 10:11: 5.3 0.4
Lat 22.31S 0.07 Lon 66.38W 0.07
Dep 217.8 2.8 Half-duration 1.7
Principal Axes:
Scale 10++23 D-CM
T Val= 10.75 Plg=43 Azm= 68
N -0.12 2 336
P -10.63 47 243
Best Double Couple:Mo=1.1e+10++24
NP1:Strike=197 Dip= 3 Slip= -48
NP2: 336 88 -92

89 22 10 14.25 55.984S 27.030W 40km
5.4mb (13 obs.) 5.1Msz (2 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 22:10:19.6 0.2
Lat 56.25S 0.05 Lon 27.09W 0.07
Dep 27.9 3.2 Half-duration 3.8
Principal Axes:
Scale 10++24 D-CM
T Val= 6.08 Plg=45 Azm=183
N 0.59 34 81
P -6.67 26 302
Best Double Couple:Mo=6.4e+10++24
NP1:Strike=344 Dip=38 Slip= 19
NP2: 250 79 125

10 02 21 10.57 0.948S 126.863E 13km
5.8mb (37 obs.) 5.9Msz (9 obs.)
MOLUCCA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 28 Dip=85 Slip= 30
NP2: 297 60 174
Principal Axes:
T Plg=24 Azm=248
P 17 150
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 13 No. of sta: 6
Principal Axes
Scale 10++25 d-cm
T Val= 2.14 Plg=48 Azm=141
N 0.00 28 25
P -2.14 38 271
Best Double Couple Mo=2.1e+10++25
NP1:Strike=298 Dip=28 Slip= 2
NP2: 206 89 118
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 02:21:15.7 0.4
Lat 1.45S 0.05 Lon 126.76E 0.03
Dep 15.0 BDY Half-duration 4.2
Principal Axes:
Scale 10++25 D-CM
T Val= 1.78 Plg=41 Azm=139
N 0.58 29 20
P -2.37 35 266
Best Double Couple:Mo=2.1e+10++25
NP1:Strike=297 Dip=29 Slip= 6
NP2: 201 87 119

11 17 22 29.81 54.184N 167.883W 33km
5.3mb (59 obs.) 5.9Msz (21 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 17:22:23.1 0.2
Lat 54.40N 0.03 Lon 168.17W 0.03
Dep 15.0 Fix Half-duration 3.7
Principal Axes:
Scale 10++25 D-CM
T Val= 1.09 Plg= 6 Azm=277
N 0.01 73 28
P -1.10 16 185
Best Double Couple:Mo=1.1e+10++25
NP1:Strike=322 Dip=74 Slip=-173
NP2: 230 84 -16

12 04 04 31.76 15.421S 173.223W 33km
5.5mb (29 obs.) 5.1Msz (1 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 04:04:38.1 0.6
Lat 15.37S 0.09 Lon 172.67W 0.09
Dep 65.4 8.5 Half-duration 1.6
Principal Axes:
Scale 10++23 D-CM
T Val= 9.65 Plg=36 Azm=190
N 1.26 29 304
P -10.91 40 62
Best Double Couple:Mo=1.0e+10++24
NP1:Strike=220 Dip=29 Slip=-175
NP2: 126 88 -61

12 20 20 46.36 15.175S 173.332W 33km
5.5mb (23 obs.) 5.6Msz (8 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 34C
Centroid Location:
Origin Time 20:20:52.2 0.3
Lat 15.12S 0.04 Lon 173.05W 0.03
Dep 44.2 3.2 Half-duration 2.7
Principal Axes:
Scale 10++24 D-CM
T Val= 4.27 Plg=39 Azm=200
N -0.44 13 99
P -3.83 48 354
Best Double Couple:Mo=4.1e+10++24
NP1:Strike=350 Dip=14 Slip= -19
NP2: 98 86 -103

13 01 56 07.15 15.684S 173.168W 188km
5.2mb (22 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 01:56: 6.9 1.2
Lat 15.35S 0.14 Lon 173.00W 0.14
Dep 73.411.1 Half-duration 1.5
Principal Axes:
Scale 10++23 D-CM
T Val= 6.11 Plg=29 Azm=185
N 0.40 44 307
P -6.50 32 75
Best Double Couple:Mo=6.3e+10++23
NP1:Strike=222 Dip=44 Slip=-177
NP2: 129 88 -46

13 03 00 20.79 17.213N 145.584E 299km
5.2mb (56 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 03:00:25.1 1.2
Lat 17.18N 0.09 Lon 145.57E 0.13
Dep 296.7 4.2 Half-duration 1.5
Principal Axes:
Scale 10++23 D-CM
T Val= 7.32 Plg=71 Azm=230
N -0.98 17 19
P -6.34 9 111
Best Double Couple:Mo=6.8e+10++23
NP1:Strike=221 Dip=38 Slip= 117
NP2: 7 57 70

14 00 25 12.49 13.923S 166.831E 29km
6.0mb (56 obs.) 6.2Msz (29 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=178 Dip=55 Slip= 90
NP2: 355 35 90
Principal Axes:
T Plg=80 Azm= 85
P 10 265
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 38 No. of sta: 13
Principal Axes:
Scale 10++25 d-cm
T Val= 5.76 Plg=70 Azm=135
N 0.83 17 348
P -5.79 10 255
Best Double Couple:Mo=5.8e+10++25
NP1:Strike=325 Dip=38 Slip= 62
NP2: 179 57 110
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C M.W.: 45, 9C
Centroid Location:
Origin Time 00:25:19.0 0.2
Lat 14.24S 0.03 Lon 166.74E 0.02
Dep 43.7 1.0 Half-duration 5.6
Principal Axes:
Scale 10++25 D-CM
T Val= 2.94 Plg=84 Azm=314
N 0.21 5 166
P -3.15 3 76
Best Double Couple:Mo=3.1e+10++25
NP1:Strike=160 Dip=42 Slip= 82
NP2: 351 49 97

14 10 37 12.95 20.530S 177.701W 587km
5.3mb (43 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Location:
Origin Time 10:37:17.6 0.9
Lat 20.70S 0.08 Lon 177.61W 0.10
Dep 589.0 3.8 Half-duration 1.8
Principal Axes:
Scale 10++24 D-CM
T Val= 1.38 Plg=14 Azm= 0
N 0.11 19 95
P -1.48 66 236
Best Double Couple:Mo=1.4e+10++24
NP1:Strike= 66 Dip=35 Slip=-124
NP2: 286 61 -68

14 10 52 48.81 4.865S 151.268E 216km
5.4mb (48 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 10:52:51.1 0.5
Lat 5.36S 0.05 Lon 151.29E 0.05
Dep 204.7 2.5 Half-duration 2.6
Principal Axes:
Scale 10++24 D-CM
T Val= 4.34 Plg=31 Azm= 44
N -0.98 58 268
P -3.36 22 148
Best Double Couple:Mo=3.9e+10++24
NP1:Strike=189 Dip=58 Slip= 7
NP2: 94 84 148

14 14 52 10.58 57.724S 24.373W 11km
5.7mb (14 obs.) 6.3Msz (13 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=315 Dip=88 Slip= 165
NP2: 46 75 2
Principal Axes:
T Plg=12 Azm=269
P 9 1
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 5
Principal Axes:
Scale 10++25 d-cm
T Val= 5.11 Plg=20 Azm=266
N -0.01 68 112
P -5.10 9 359

Best Double Couple:Mo=5.1*10**25
NP1:Strike= 44 Dip=69 Slip= 8
NP2: 311 82 159
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 36C
Centroid Location:
Origin Time 14:52:20.6 0.2
Lat 57.72S 0.02 Lon 24.08W 0.04
Dep 15.0 FIX Half-duration 5.5
Principal Axes:
Scale 10**25 D-CM
T Val= 3.71 Plg=66 Azm=281
N 0.17 18 169
P -3.89 22 74
Best Double Couple:Mo=3.8*10**25
NP1:Strike=146 Dip=25 Slip= 66
NP2: 352 68 101

14 22 31 25.54 25.750N 142.403E 30km
5.4mb (31 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 22:31:26.7 1.1
Lat 25.52N 0.10 Lon 142.61E 0.17
Dep 32.5 9.1 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.01 Plg=70 Azm=286
N 1.20 12 52
P -7.20 16 145
Best Double Couple:Mo=6.6*10**23
NP1:Strike=253 Dip=31 Slip= 114
NP2: 45 62 76

15 00 38 59.28 14.856S 174.348W 33km
5.2mb (13 obs.) 5.4Msz (1 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 00:39: 1.5 0.5
Lat 14.67S 0.06 Lon 174.39W 0.05
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.75 Plg=11 Azm=132
N 0.06 71 7
P -1.81 15 225
Best Double Couple:Mo=1.8*10**24
NP1:Strike=268 Dip=71 Slip= -3
NP2: 359 87 -161

15 13 15 02.75 15.561S 173.985W 89km
5.3mb (39 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 13:15:10.0 0.3
Lat 15.63S 0.04 Lon 173.75W 0.05
Dep 84.4 4.0 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.05 Plg=53 Azm=113
N 0.54 9 10
P -2.59 35 274
Best Double Couple:Mo=2.3*10**24
NP1:Strike=325 Dip=13 Slip= 44
NP2: 192 81 99

16 01 31 44.21 30.612N 141.645E 31km
5.7mb (78 obs.) 5.5Msz (13 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 01:31:47.7 0.2
Lat 30.38N 0.03 Lon 141.64E 0.03
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 6.75 Plg=68 Azm=269
N 0.72 1 1
P -7.47 22 91
Best Double Couple:Mo=7.1*10**24
NP1:Strike=182 Dip=23 Slip= 92
NP2: 0 67 90

16 12 52 16.07 43.898N 147.570E 23km
6.3mb (94 obs.) 6.1Msz (29 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 28 Dip=70 Slip= 90
NP2: 208 20 90
Principal Axes:
T Plg=65 Azm=298
P 25 118
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 31 No. of sta: 28
Principal Axes:
Scale 10**25 d-cm
T Val= 3.06 Plg=47 Azm=273
N 0.42 35 53
P -3.47 21 158
Best Double Couple:Mo=3.3*10**25
NP1:Strike=292 Dip=40 Slip= 155
NP2: 41 74 53
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 41C M.W.: 7S, 12C
Centroid Location:
Origin Time 12:52:22.4 0.1
Lat 43.79N 0.01 Lon 147.59E 0.03
Dep 40.0 1.1 Half-duration 5.6
Principal Axes:
Scale 10**25 D-CM
T Val= 3.60 Plg=69 Azm=284
N 0.13 8 34
P -3.73 20 127
Best Double Couple:Mo=3.7*10**25
NP1:Strike=230 Dip=26 Slip= 108
NP2: 30 65 82

16 18 55 30.48 30.710N 141.446E 26km
5.4mb (31 obs.) 5.2Msz (4 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 18:55:33.4 0.6
Lat 30.38N 0.08 Lon 141.68E 0.06
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.21 Plg=69 Azm=282
N 0.24 5 179
P -1.44 20 87
Best Double Couple:Mo=1.3*10**24
NP1:Strike=168 Dip=25 Slip= 78
NP2: 1 66 95

17 10 05 54.42 0.847S 99.901E 83km
5.3mb (33 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 20C
Centroid Location:
Origin Time 10:05:57.0 0.9
Lat 0.75S 0.08 Lon 99.20E 0.08
Dep 76.7 6.5 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.77 Plg=75 Azm= 26
N 0.95 7 142
P -7.73 14 234
Best Double Couple:Mo=7.3*10**23
NP1:Strike=333 Dip=32 Slip= 103
NP2: 138 59 82

18 00 08 39.88 5.997S 131.542E 52km
5.3mb (20 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 00:08:45.9 1.0
Lat 5.87S 0.08 Lon 131.88E 0.13
Dep 85.4 6.4 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.48 Plg=39 Azm=279
N -0.91 51 85
P -6.57 7 183
Best Double Couple:Mo=7.2*10**23
NP1:Strike=314 Dip=58 Slip= 155
NP2: 57 69 34

19 17 56 44.75 53.270N 161.698E 33km
5.1mb (38 obs.) 4.5Msz (2 obs.)
OFF EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 17:56:51.3 1.8
Lat 53.58N 0.14 Lon 161.67E 0.26
Dep 42.6 9.8 Half-duration 1.2
Principal Axes:
Scale 10**23 D-CM
T Val= 2.74 Plg=67 Azm=344
N 0.74 15 215
P -3.48 17 120
Best Double Couple:Mo=3.1*10**23
NP1:Strike=188 Dip=31 Slip= 59
NP2: 43 64 107

19 23 28 09.14 9.286S 79.018W 62km
5.5mb (36 obs.)
OFF COAST OF NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 23:28:12.8 0.6
Lat 9.04S 0.08 Lon 79.29W 0.09
Dep 66.6 4.9 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.44 Plg=13 Azm= 71
N -0.16 32 189
P -1.28 55 321
Best Double Couple:Mo=1.4*10**24
NP1:Strike=126 Dip=42 Slip=-142
NP2: 5 65 -55

20 07 03 30.86 2.394S 139.309E 33km
6.1mb (55 obs.) 6.7Msz (13 obs.)
NEAR N. COAST OF WEST IRIAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=350 Dip=79 Slip= 90
NP2: 170 11 90
Principal Axes:
T Plg=56 Azm=260
P 34 80
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 14 No. of sta: 8
Principal Axes:
Scale 10**26 d-cm
T Val= 1.59 Plg=35 Azm=313
N 0.03 55 130
P -1.61 1 222
Best Double Couple:Mo=1.6*10**26
NP1:Strike=352 Dip=65 Slip= 155
NP2: 93 68 27
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 46C M.W.: 14S, 32C
Centroid Location:
Origin Time 07:03:37.6 0.2
Lat 2.31S 0.01 Lon 139.29E 0.02
Dep 21.2 1.1 Half-duration 9.2
Principal Axes:
Scale 10**26 D-CM
T Val= 1.61 Plg=47 Azm=279
N -0.02 27 185
P -1.59 30 48
Best Double Couple:Mo=1.6*10**26
NP1:Strike= 88 Dip=29 Slip= 20
NP2: 340 80 118

21 01 11 29.02 15.201S 173.348W 33km
5.2mb (21 obs.) 4.6Msz (1 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 01:11:34.9 1.4
Lat 14.76S 0.17 Lon 173.90W 0.15

Dep 27.1 8.9 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 7.66 Plg=33 Azm=189
N -0.28 28 79
P -7.46 44 319
Best Double Couple:Mo=7.8*10**23
NP1:Strike=335 Dip=28 Slip= -12
NP2: 76 84 -118

21 23 36 17.83 1.982N 126.537E 33km
5.6mb (45 obs.) 5.4Msz (5 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 23:36:28.4 0.2
Lat 1.83N 0.04 Lon 126.42E 0.04
Dep 15.0 BDY Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 9.62 Plg=59 Azm=178
N -1.59 25 37
P -8.03 17 268
Best Double Couple:Mo=8.8*10**24
NP1:Strike=355 Dip=36 Slip= 43
NP2: 229 66 118

22 18 35 48.12 29.635S 177.661W 57km
5.4mb (20 obs.)
KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 18:35:44.0 0.6
Lat 28.99S 0.06 Lon 177.44W 0.05
Dep 55.0 3.4 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.27 Plg=75 Azm=252
N 0.18 8 13
P -1.45 12 105
Best Double Couple:Mo=1.4*10**24
NP1:Strike=205 Dip=33 Slip= 104
NP2: 8 58 81

22 21 53 03.07 50.113S 163.937E 10km
4.8mb (3 obs.)
AUCKLAND ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 21:53:11.5 0.8
Lat 49.80S 0.18 Lon 163.07E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.94 Plg= 6 Azm= 1
N -0.87 72 109
P -7.06 17 269
Best Double Couple:Mo=7.5*10**23
NP1:Strike= 46 Dip=73 Slip=-172
NP2: 314 82 -17

23 09 11 53.16 30.563N 141.971E 14km
5.6mb (74 obs.) 5.7Msz (14 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 09:11:59.6 0.3
Lat 30.41N 0.04 Lon 141.96E 0.03
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 6.52 Plg=72 Azm=258
N 0.85 2 353
P -7.37 18 84
Best Double Couple:Mo=6.9*10**24
NP1:Strike=177 Dip=27 Slip= 94
NP2: 352 63 88

23 20 27 12.72 3.868S 80.983W 46km
5.4mb (68 obs.) 4.4Msz (3 obs.)
PERU-ECUADOR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 20:27:14.2 0.4
Lat 3.97S 0.05 Lon 81.22W 0.06
Dep 25.5 3.7 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 12.37 Plg=67 Azm=168
N -2.79 13 284
P -9.58 18 18
Best Double Couple:Mo=1.1*10**24
NP1:Strike=128 Dip=29 Slip= 118
NP2: 277 64 75

24 00 22 16.72 47.435N 89.651E 33km
4.9mb (43 obs.) 4.1Msz (2 obs.)
NORTHERN XINJIANG, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 00:22:17.2 1.2
Lat 47.33N 0.11 Lon 89.54E 0.22
Dep 33.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 3.87 Plg=27 Azm=304
N 0.93 63 121
P -4.79 1 213
Best Double Couple:Mo=4.3*10**23
NP1:Strike=345 Dip=70 Slip= 161
NP2: 82 72 21

25 16 12 35.32 40.115N 77.389E 33km
5.2mb (54 obs.) 4.9Msz (3 obs.)
KIRGHIZ-XINJIANG BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 16:12:35.2 0.4
Lat 39.83N 0.05 Lon 77.07E 0.08
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.84 Plg=59 Azm=245
N -0.42 30 83
P -1.43 8 349
Best Double Couple:Mo=1.6*10**24
NP1:Strike= 48 Dip=45 Slip= 45
NP2: 283 68 125

25 16 47 49.58 17.254S 174.089W 131km
5.4mb (29 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 16:47:58.8 0.5
Lat 17.17S 0.04 Lon 173.85W 0.05
Dep 139.6 1.5 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.28 Plg=52 Azm=269
N -0.29 0 0
P -1.99 38 90
Best Double Couple:Mo=2.1*10**24
NP1:Strike=183 Dip= 7 Slip= 94
NP2: 0 83 90

26 00 25 59.62 22.839N 94.523E 115km
4.9mb (53 obs.)
BURMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 00:26: 2.4 1.0
Lat 23.31N 0.13 Lon 94.92E 0.15
Dep 125.2 5.1 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 6.01 Plg=59 Azm= 95
N -2.53 21 226
P -3.48 21 324
Best Double Couple:Mo=4.8*10**23
NP1:Strike= 87 Dip=30 Slip= 136
NP2: 217 69 67

26 07 35 16.10 32.128N 76.374E 33km
5.5mb (60 obs.) 5.3Msz (6 obs.)
KASHMIR-INDIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 07:35:29.0 0.3
Lat 31.59N 0.07 Lon 76.06E 0.04
Dep 15.0 BDY Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 2.13 Plg=80 Azm= 77
N 0.30 10 330
P -2.43 28 235
Best Double Couple:Mo=2.3*10**24
NP1:Strike=299 Dip=19 Slip= 58
NP2: 153 74 100

26 14 15 07.62 36.495N 71.114E 187km
5.6mb (78 obs.)
AFGHANISTAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 41C
Centroid Location:
Origin Time 14:15: 9.4 0.2
Lat 36.29N 0.03 Lon 71.00E 0.03
Dep 186.9 1.0 Half-duration 3.3
Principal Axes:
Scale 10**24 D-CM
T Val= 9.16 Plg=62 Azm=280
N -2.17 17 44
P -6.99 22 141
Best Double Couple:Mo=8.1*10**24
NP1:Strike=260 Dip=27 Slip= 129
NP2: 38 69 72

27 03 24 06.22 31.148S 13.482W 10km
5.7mb (67 obs.) 5.7Msz (16 obs.)
SOUTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 39C
Centroid Location:
Origin Time 03:24:13.7 0.3
Lat 31.25S 0.03 Lon 13.25W 0.03
Dep 15.0 FIX Half-duration 3.4
Principal Axes:
Scale 10**25 D-CM
T Val= 1.08 Plg= 5 Azm= 80
N -0.18 4 349
P -0.90 84 219
Best Double Couple:Mo=1.0*10**25
NP1:Strike=174 Dip=40 Slip= -84
NP2: 346 50 -95

27 09 23 44.54 17.950S 178.386W 572km
5.4mb (47 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centroid Location:
Origin Time 09:23:50.6 0.7
Lat 17.89S 0.07 Lon 178.41W 0.07
Dep 594.4 3.7 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.55 Plg=26 Azm=108
N 0.04 5 16
P -1.60 64 277
Best Double Couple:Mo=1.6*10**24
NP1:Strike=209 Dip=19 Slip= -76
NP2: 14 71 -95

27 09 46 28.54 6.841S 154.528E 35km
5.4mb (15 obs.) 4.9Msz (2 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centroid Location:
Origin Time 09:46:33.5 0.5
Lat 6.73S 0.08 Lon 154.37E 0.08
Dep 26.3 6.0 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.43 Plg=68 Azm= 42
N 0.20 2 137
P -1.64 21 227
Best Double Couple:Mo=1.5*10**24
NP1:Strike=321 Dip=24 Slip= 94
NP2: 136 66 88

28 19 20 22.48 6.193N 125.884E 92km
5.4mb (31 obs.)
MINDANAO, PHILIPPINE ISLANDS

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 19:29:24.3 0.6
Lat 5.89N 0.08 Lon 125.88E 0.08
Dep 93.4 5.0 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	9.31	59	34
N	-1.15	30	200
P	-8.16	7	296

Best Double Couple:Mo=8.7*10**23
NP1:Strike= 61 Dip=52 Slip= 144
NP2: 175 63 44

29 07 28 02.42 4.550S 133.613E 10km
5.4mb (22 obs.) 4.9Msz (4 obs.)
WEST IRIAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 28C
Centroid Location:
Origin Time 07:28: 6.2 0.7
Lat 4.56S 0.08 Lon 133.73E 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.35	7	285
N	-0.03	51	23
P	-1.33	38	189

Best Double Couple:Mo=1.3*10**24
NP1:Strike=334 Dip=58 Slip=-156
NP2: 231 70 -34

29 08 17 58.74 30.766N 141.508E 38km
5.1mb (39 obs.) 5.2Msz (4 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 08:18: 6.0 0.5
Lat 30.73N 0.06 Lon 141.48E 0.05
Dep 29.4 3.9 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.23	57	324
N	0.34	27	183
P	-2.57	18	84

Best Double Couple:Mo=2.4*10**24
NP1:Strike=140 Dip=36 Slip= 40
NP2: 15 68 119

29 13 59 21.09 4.415N 94.962E 39km
5.2mb (45 obs.) 4.9Msz (5 obs.)
OFF W COAST OF NORTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 13:59:19.4 1.2
Lat 4.29N 0.10 Lon 94.94E 0.11
Dep 46.9 6.2 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	0.81	49	261
N	0.27	38	114
P	-1.18	17	11

Best Double Couple:Mo=1.0*10**24
NP1:Strike= 81 Dip=43 Slip= 29
NP2: 308 71 129

30 07 07 18.12 18.484N 102.973W 27km
6.3mb (67 obs.) 7.0Msz (16 obs.)
MICHOACAN, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=125 Dip=75 Slip= 90
NP2: 305 15 90
Principal Axes:

	Plg=	Azm=
T	60	35
P	30	215

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 14
Principal Axes:
Scale 10**26 d-cm

	Val=	Plg=	Azm=
T	3.42	49	61
N	0.14	23	302
P	-3.56	32	198

Best Double Couple:Mo=3.5*10**26
NP1:Strike=235 Dip=25 Slip= 22
NP2: 126 81 113
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C M.W.: 17S, 47C
Centroid Location:
Origin Time 07:07:30.5 0.1
Lat 18.25N 0.01 Lon 102.92W 0.01
Dep 20.7 0.7 Half-duration 11.8
Principal Axes:
Scale 10**26 D-CM

	Val=	Plg=	Azm=
T	3.15	63	25
N	-0.18	1	293
P	-2.97	27	202

Best Double Couple:Mo=3.1*10**26
NP1:Strike=290 Dip=18 Slip= 87
NP2: 113 72 91

30 14 09 39.85 18.036S 69.453W 106km
5.3mb (79 obs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 14:09:44.8 0.5
Lat 18.31S 0.05 Lon 69.93W 0.07
Dep 118.1 3.8 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.39	21	83
N	-0.84	32	339
P	-2.55	51	209

Best Double Couple:Mo=3.0*10**24
NP1:Strike=214 Dip=37 Slip= -38
NP2: 328 73 -123

30 17 47 52.64 47.237S 108 101E 10km
5.3mb (11 obs.) 5.0Msz (3 obs.)
SOUTHEAST INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 17 47:59.3 0.2
Lat 47.24S 0.03 Lon 108 03E 0.04
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	4.95	4	349
N	-0.85	81	234
P	-4.10	9	80

Best Double Couple:Mo=4.5*10**24
NP1:Strike=124 Dip=82 Slip= -3
NP2: 215 87 -172

30 23 14 43.78 28.699N 130.850E 44km
5.5mb (78 obs.) 5.5Msz (7 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 23 14:45.5 0.3
Lat 28.60N 0.05 Lon 129.72E 0.08
Dep 39.0 4.7 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.03	39	305
N	0.39	14	47
P	-3.42	48	153

Best Double Couple:Mo=3.2*10**24
NP1:Strike=335 Dip=15 Slip=-102
NP2: 228 86 -78

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrove and William H. Schmieder.

Corrections to Monthly Listings for October 1984, May 1985 and February 1986

1. Delete event of 15:49:17.0 UTC on October 28, 1984.

2. Delete TTG and ATH magnitudes for Kodiak Island event of 04:18:31.2 UTC on May 04, 1985.

3. Delete event of 23:49:05.6 UTC on February 21, 1986.

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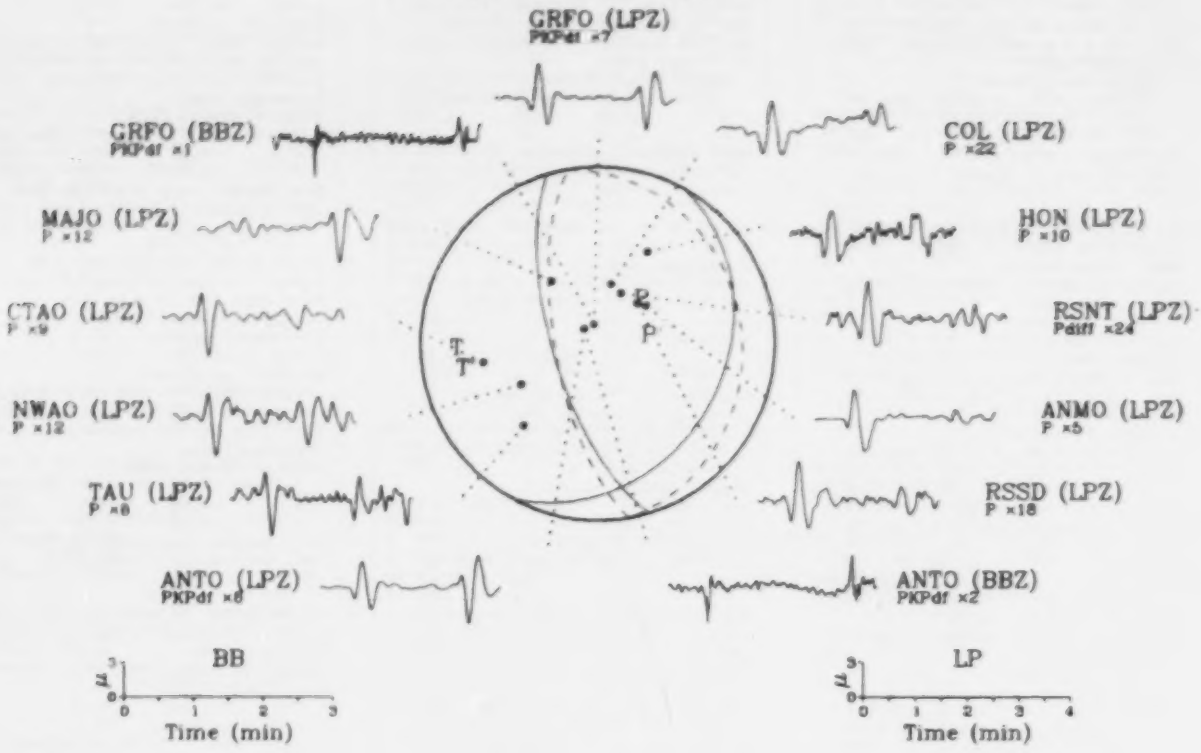
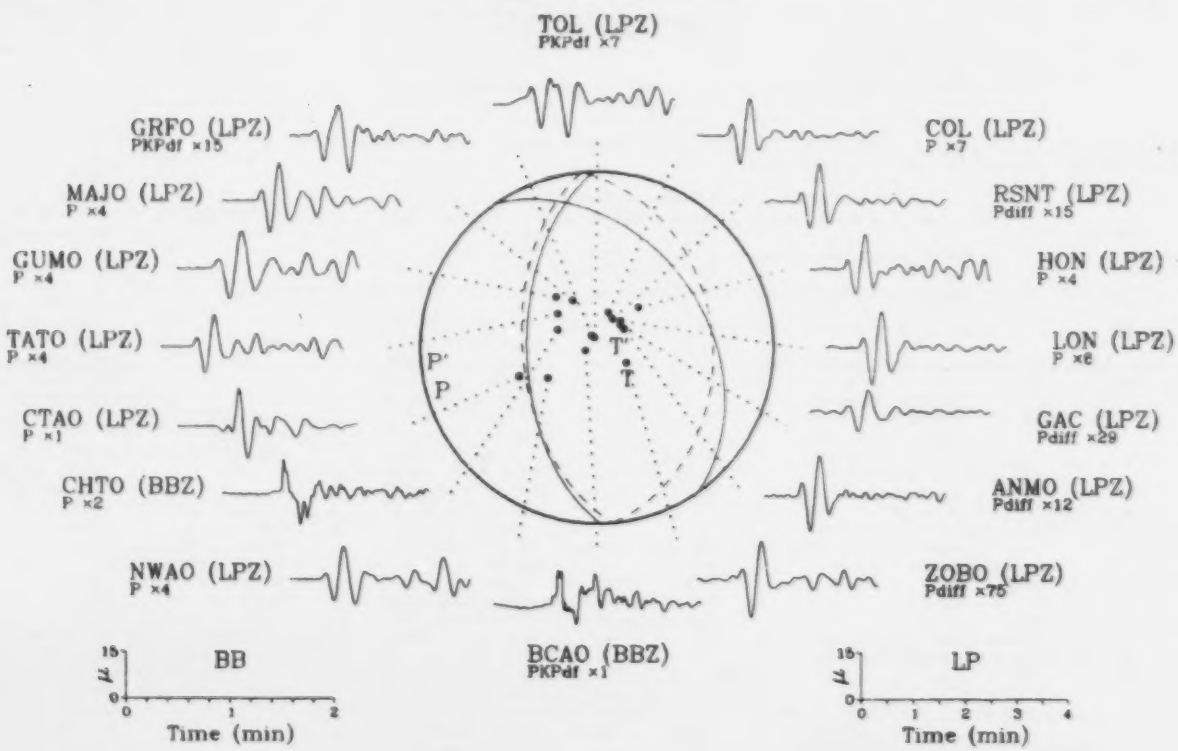
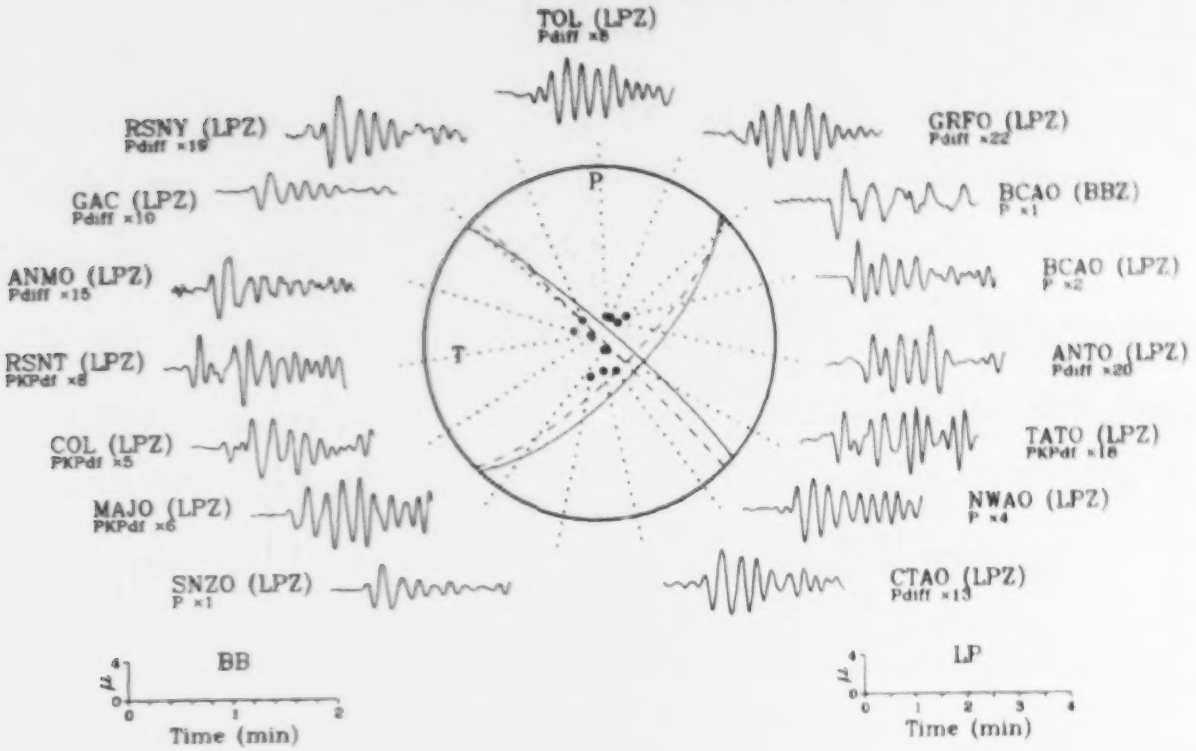
01 April 1986 10:13:40.74
Fiji Islands Region



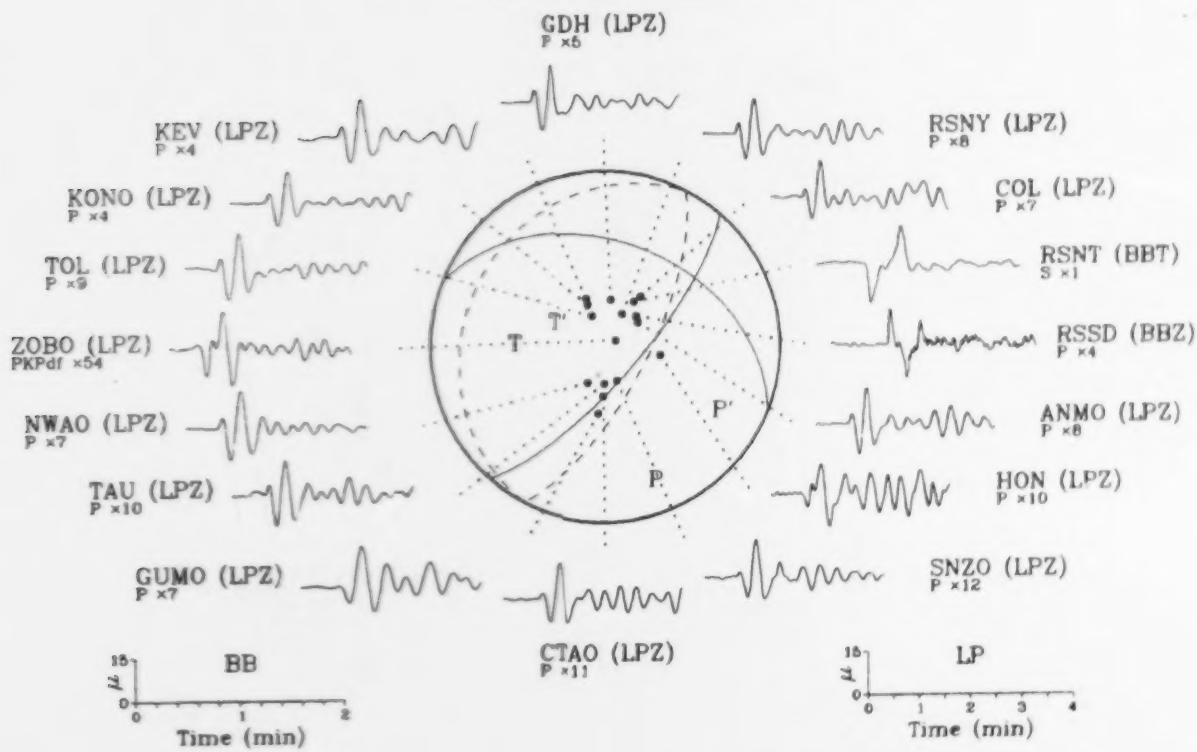
14 April 1986 00:25:12.49
Vanuatu Islands



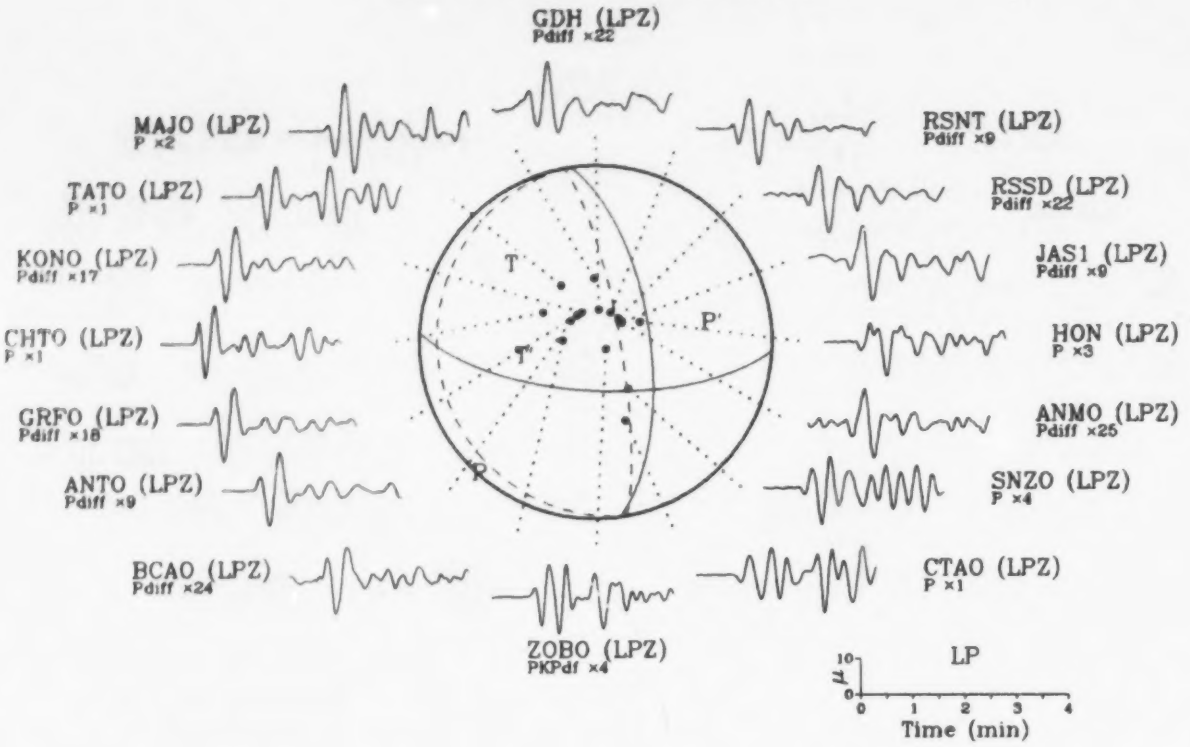
14 April 1986 14:52:10.58
South Sandwich Islands Region



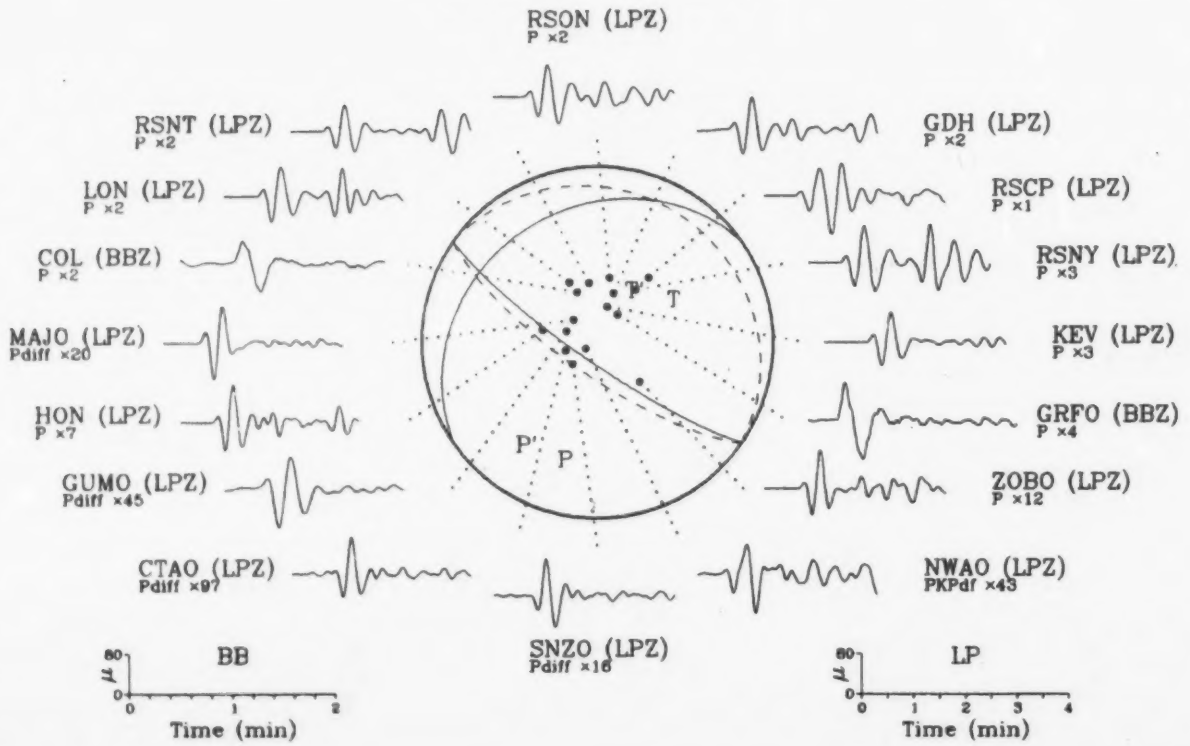
16 April 1986 12:52:16.07
Kuril Islands

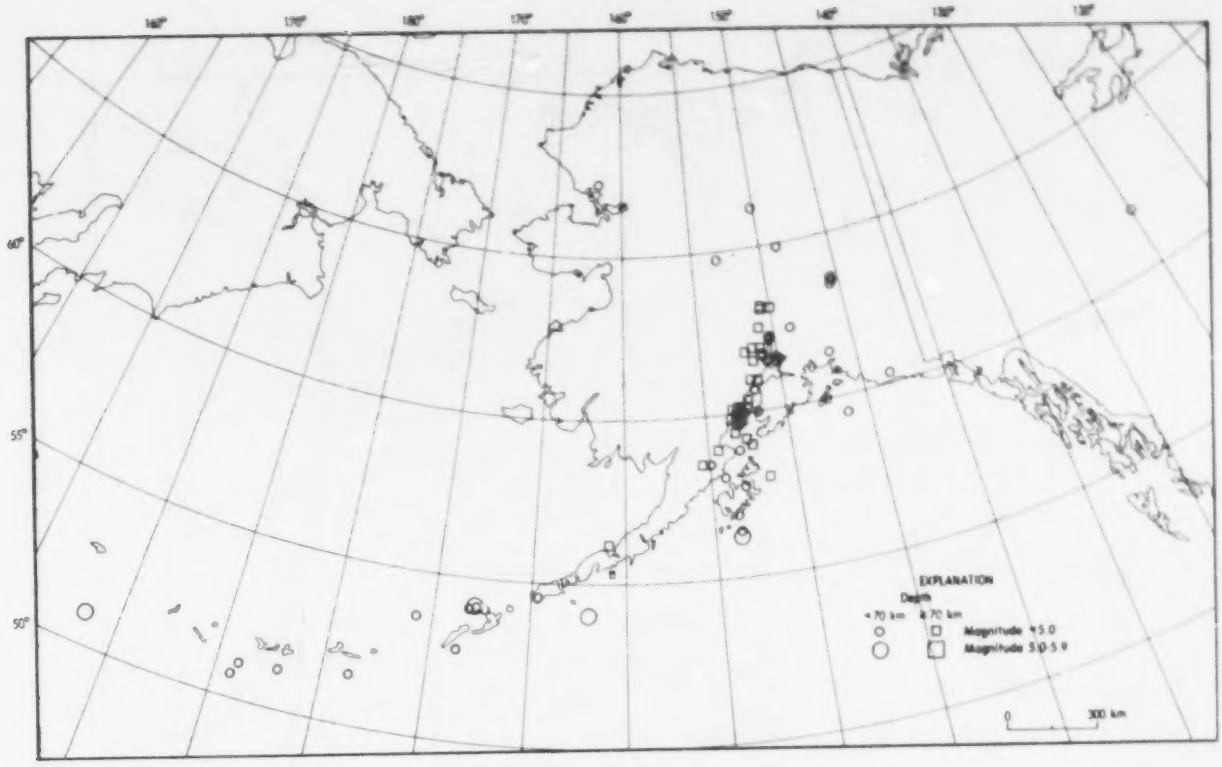


20 April 1986 07:03:30.86
Near N. Coast of West Irian



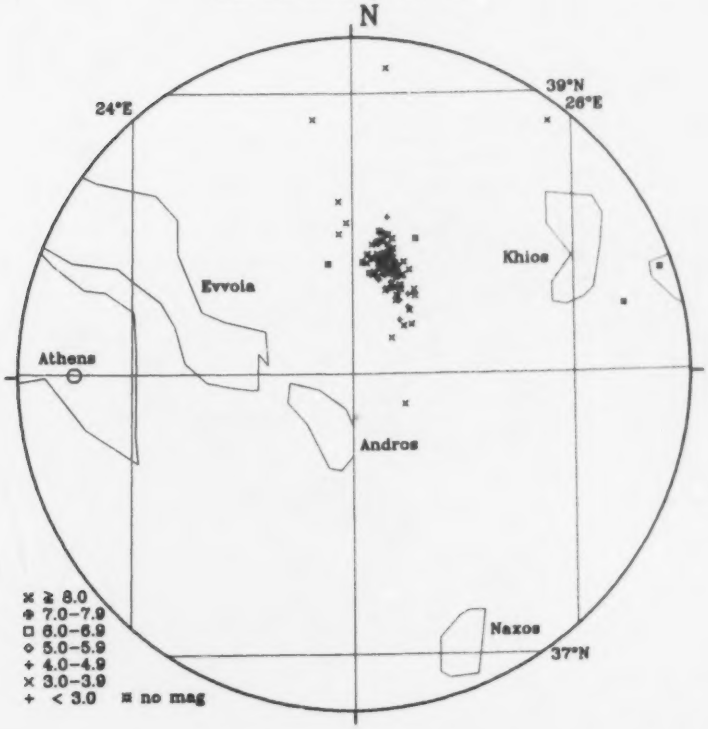
30 April 1986 07:07:18.12
Michoacan, Mexico

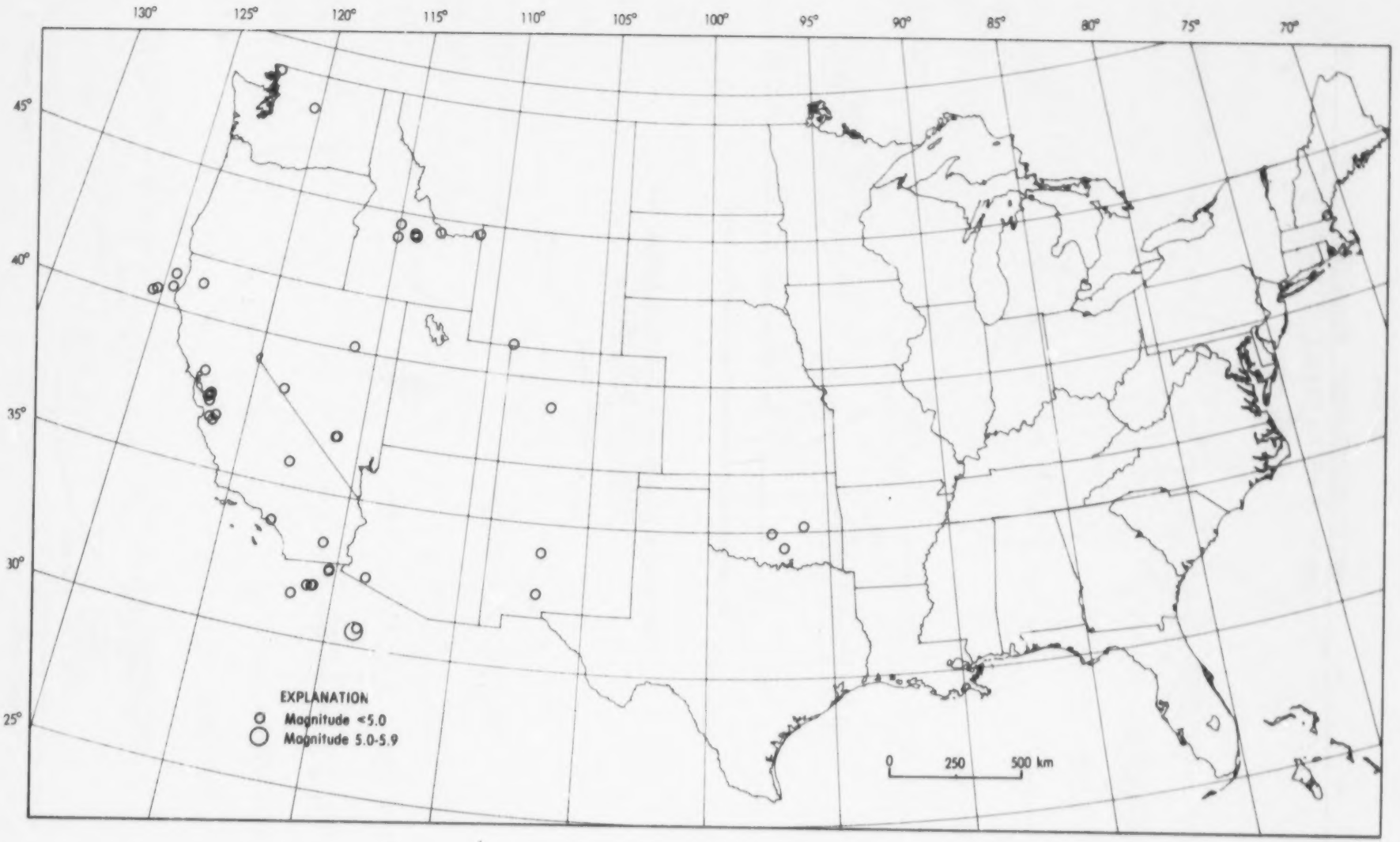




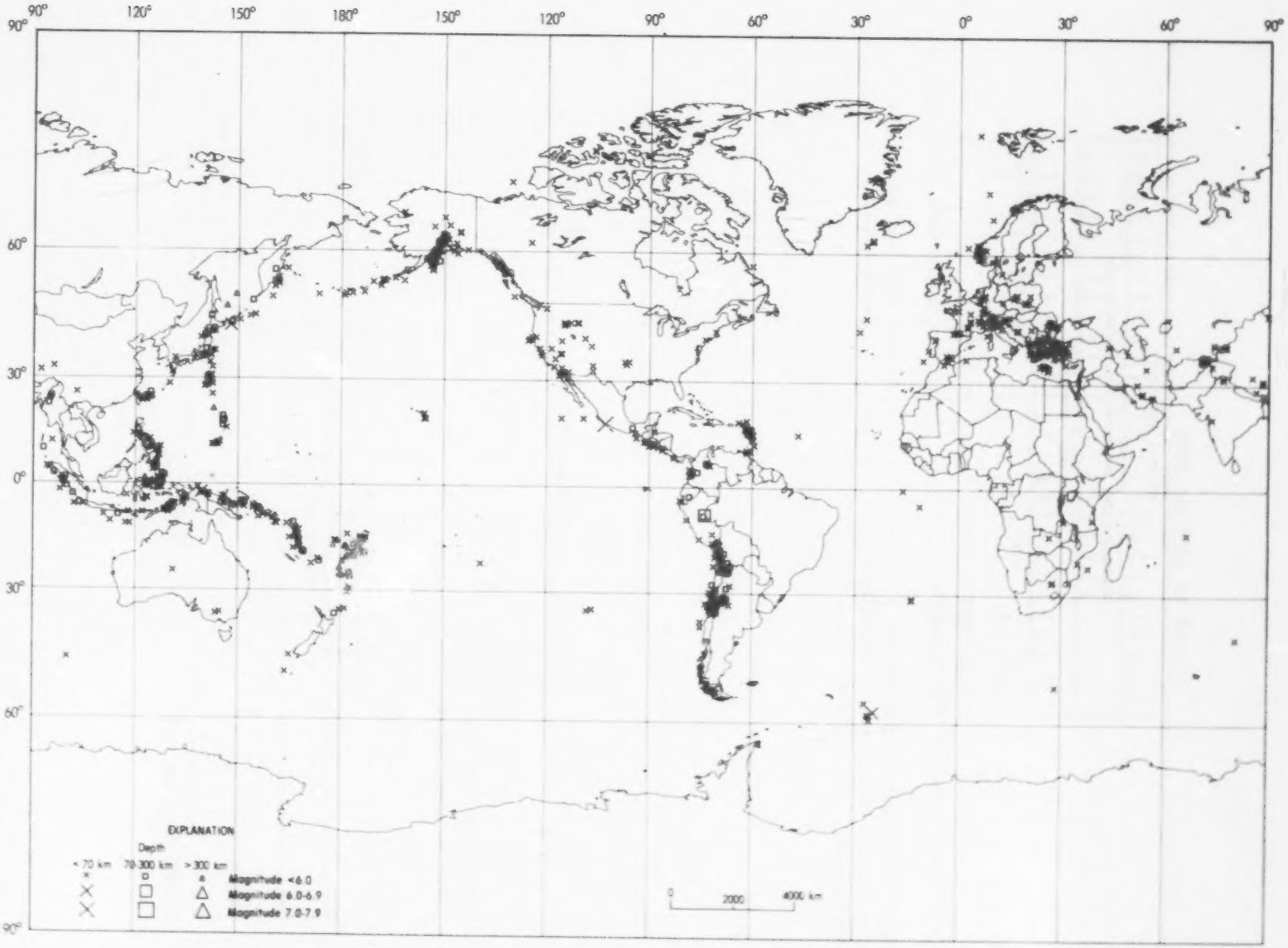
Earthquake epicenters in Alaska and adjacent regions for April, 1986 (C. Stover).

Earthquake Epicenters in Southern Aegean Sea
March and April, 1986





Earthquake epicenters in the conterminous United States and adjacent regions for April, 1986 (C. Stover).



Earthquakes located in April, 1986 (C. Stover).

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U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

DEC 10 1986

U. S. GOVT. PUBS.
DEPOSITORY 276

MAY 1986

K E Y	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	MAGNITUDES GS Msz		RMS	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	27	03.8?	4.72	S	152.26	E	102	?				1.2	5	NEW BRITAIN REGION
	01	00	28	01.9	43.443	N	7.350	E	30					1.1	37	NEAR SOUTH COAST OF FRANCE. ML 3.8 (LDG).
	01	01	08	49.6&	35.910	N	117.260	W	6	G					8	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	01	03	19	40.2•	28.236	N	140.633	E	33	N	4.1			0.6	18	BONIN ISLANDS REGION
	01	03	21	53.8?	27.50	S	71.75	W	33	N				1.2	6	NEAR COAST OF NORTHERN CHILE
	01	03	31	17.8	40.242	N	51.657	E	48	D	5.0	3.8		0.8	177	CASPIAN SEA
	01	04	20	27.7•	51.536	N	6.753	E	10	G				1.1	7	GERMANY
	01	08	03	29.8	14.930	S	167.344	E	130	•	4.2			1.1	35	VANUATU ISLANDS
	01	09	00	57.4	65.823	N	155.169	W	33	N				0.7	11	ALASKA. ML 3.9 (PMR).
	01	09	15	25.2?	7.58	N	74.20	W	196	?				1.3	7	NORTHERN COLOMBIA
	01	09	28	37.0•	31.282	S	68.254	W	106	?				0.9	10	SAN JUAN PROVINCE, ARGENTINA
	01	09	50	46.6	40.724	N	27.539	E	10	G				1.1	10	TURKEY
	01	10	59	24.0•	37.270	N	20.385	E	10	G	4.5			1.4	22	IONIAN SEA. ML 4.1 (ATH).
	01	11	13	16.7•	10.529	S	116.526	E	33	N	5.1			1.4	15	SOUTH OF SUMBAWA ISLAND
	01	12	20	04.9•	7.560	S	127.991	E	194	?	5.4			1.5	14	BANDA SEA
	01	12	24	17.4	38.460	N	25.156	E	10	G				1.1	17	AEGEAN SEA. ML 3.7 (ATH).
	01	13	25	12.7	49.138	N	6.715	E	30					1.0	57	GERMANY. ML 3.9 (KBA), 3.8 (LDG).
	01	14	47	32.8	39.118	N	30.141	E	13					0.7	16	TURKEY
	01	16	09	26 3	48.046	N	6.657	E	10	G				0.7	11	FRANCE. ML 2.8 (LDG).
	01	16	13	42.6•	43.318	N	19.737	E	10	G				0.7	5	YUGOSLAVIA. ML 2.1 (TTG).
a	01	17	21	24.1	15.140	S	174.370	W	33	N	5.2	5.5		1.1	90	TONGA ISLANDS
	01	17	31	22.5•	18.237	S	177.987	W	592	•	4.2			1.1	19	FIJI ISLANDS REGION
f	01	19	31	40.2	21.861	S	170.228	E	52	G	5.8	5.8		1.1	188	LOYALTY ISLANDS REGION. Depth from broadband displacement seismograms.
	01	19	36	50.4%	40.756	N	30.234	E	10	G				1.0	7	TURKEY
	01	19	48	25.1•	53.218	N	156.433	E	33	N	4.4			0.9	24	KAMCHATKA
	01	21	43	55.3	6.224	S	131.568	E	33	N	5.0			0.9	43	TANIMBAR ISLANDS REGION
	01	21	45	16.6	38.474	N	25.120	E	11		3.7			0.9	21	AEGEAN SEA. ML 3.6 (ATH).
	01	22	12	01.8	17.945	S	178.554	W	610	•	5.0			0.9	63	FIJI ISLANDS REGION
	02	00	35	53.3•	51.310	N	15.573	E	10	G				0.9	10	POLAND. ML 3.5 (VKA), 3.4 (KBA).
	02	00	37	45.2	36.342	N	141.141	E	44	D	4.7			0.9	36	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito, Choshi and Fukushima.
	02	00	43	11.6	36.337	N	141.211	E	42	D	4.8			1.2	60	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito and (I JMA) at Choshi and Onahama.
	02	00	51	57.7&	61.238	N	149.418	W	35						34	SOUTHERN ALASKA. <AGS-P>. ML 2.1 (PMR). Felt at Anchorage.
	02	01	09	25.7	30.519	N	141.757	E	56	•	4.6			0.9	49	SOUTH OF HONSHU, JAPAN
	02	01	22	39.1•	4.961	S	153.448	E	67	?				0.9	6	NEW IRELAND REGION
	02	02	44	44.0	1.929	N	99.023	E	126	D	4.8			1.0	78	NORTHERN SUMATERA
a	02	03	18	37.4	28.017	N	53.303	E	33	N	5.5	4.9		1.0	235	SOUTHERN IRAN. Damage in the Khanj area.
	02	06	51	28.4?	14.15	N	60.13	W	33	N				0.6	8	WINDWARD ISLANDS. ML 2.9 (FDF).
	02	07	24	59.1?	14.19	N	60.25	W	10	G				0.4	5	WINDWARD ISLANDS. ML 2.5 (FDF).
	02	07	26	58.1?	8.97	N	75.11	W	191	?				0.5	6	NORTHERN COLOMBIA
	02	08	30	18.1	4.960	S	153.301	E	33	N	3.9			1.0	10	NEW IRELAND REGION
	02	08	31	12.8	40.827	N	22.282	E	10	G	3.4			1.0	25	GREECE
	02	08	47	03.9	18.436	N	103.119	W	46		4.9			1.1	84	NEAR COAST OF MICHOACAN, MEXICO. Felt at Colima and Ciudad Guzman.
	02	09	13	01.6%	60.367	N	5.082	E	15	G				0.5	6	SOUTHERN NORWAY. MD 1.7 (BER).
	02	09	42	57.5?	44.32	N	8.13	E	10	G				0.3	5	NORTHERN ITALY. ML 2.6 (LDG)
	02	09	50	32.7	3.253	S	139.748	E	60		5.2			1.1	115	WEST IRIAN. Felt (IV) at Jayapura.
	02	09	54	56.1	45.136	N	150.398	E	33	N	4.8			0.9	36	KURIL ISLANDS
	02	10	01	08.1?	44.27	N	7.72	E	10	G				0.4	5	NORTHERN ITALY. ML 2.1 (LDG).
	02	10	19	24.8	42.334	N	19.970	E	13		4.1			1.4	44	YUGOSLAVIA. MD 3.9 (TTG).
f	02	10	30	02.8	55.172	N	163.843	E	15	G	6.0	5.9		1.0	356	OFF EAST COAST OF KAMCHATKA. Ms 5.7 (BRK), 5.4 (PAS). Depth from broadband displacement seismograms.
	02	10	44	57.0	60.359	N	5.078	E	10	G				0.7	7	SOUTHERN NORWAY. MD 1.8 (BER).
	02	11	02	11.7	33.682	N	134.197	E	49	•	3.9			0.9	12	SHIKOKU, JAPAN. Felt (II JMA) at Kochi and (I JMA) at Takamatsu.

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I19.66:

02	11 44 16.4•	1.915 N	99.071 E	150 •	4.3				0.5	8	NORTHERN SUMATERA
02	11 53 22.4	42.346 N	19.976 E	10 G					0.4	11	YUGOSLAVIA. MD 3.8 (TTG).
02	12 21 33.1	3.699 N	126.488 E	33 N	4.9				1.1	63	TALAUD ISLANDS
02	12 46 55.8	42.353 N	19.952 E	10 G					1.0	14	YUGOSLAVIA. MD 3.8 (TTG).
02	13 00 55.6	64 820 N	148.848 W	33 N					1.3	9	CENTRAL ALASKA. ML 3.2 (PWR).
02	13 01 48.1%	40.452 N	28.006 E	6 •					0.5	9	TURKEY
02	13 31 24.1	42.345 N	19.983 E	10 G					1.1	18	YUGOSLAVIA. MD 3.3 (TTG).
02	13 53 52.6•	39.925 N	76.293 W	5 G					0.4	5	CHESAPEAKE BAY REGION. MD 2.5 (NED). Felt (IV) at Conestoga, (III) at Creley, Pequea, Refton, Washington Boro and West Willow and (II) at Brogue, Hollwood and New Providence, Pennsylvania. Also felt at Lancaster, Morticville, Millersville, Rawlinsville and Safe Harbor, Pennsylvania.
02	14 12 14.6%	60.729 N	5.580 E	10 G					0.6	5	SOUTHERN NORWAY. MD 2.1 (BER).
02	14 25 52.3%	44.750 N	0.935 E	10 G					1.3	6	FRANCE. ML 2.8 (LDG).
02	15 30 17.3?	37.50 N	20.36 E	10 G	3.8				1.0	10	IONIAN SEA
02	15 33 01.7%	40.406 N	28.015 E	12					0.3	9	TURKEY
02	16 45 40.5	42.349 N	19.981 E	10 G					0.7	9	YUGOSLAVIA. MD 2.6 (TTG).
02	17 25 10.4•	27.954 N	140.439 E	50 •	4.1				1.3	16	BONIN ISLANDS REGION
02	18 06 06.0	42.347 N	20.000 E	10					0.4	11	YUGOSLAVIA. ML 2.8 (TTG).
02	18 45 10.8	5.417 S	24.783 E	10 G	4.9 4.1				0.9	54	ZAIRE REPUBLIC
02	19 38 39.0?	17.28 S	175.15 W	243 •	4.5				0.8	14	TONGA ISLANDS
02	20 12 21.4&	31.856 N	116.119 W	8 G						4	BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
02	22 00 12.4•	28.253 N	53.281 E	33 N	3.9				1.2	11	SOUTHERN IRAN
02	22 33 43.1•	61.875 N	124.462 W	10 G	4.5				1.4	7	NORTHWEST TERRITORIES, CANADA
02	23 00 22.7•	42.143 N	20.400 E	10 G					0.9	7	YUGOSLAVIA. ML 2.6 (TTG).
03	01 09 51.8•	35.766 N	121.690 W	5 G					0.9	6	CENTRAL CALIFORNIA. ML 2.5 (BRK).
03	03 20 35.1?	51.56 N	20.44 E	10 G					0.3	5	POLAND. ML 2.9 (KRA).
03	03 34 05.5•	37.926 N	23.496 E	62 •	3.4				1.0	18	SOUTHERN GREECE
03	04 17 20.3	42.338 N	19.985 E	10 G					0.6	11	YUGOSLAVIA. ML 2.6 (TTG).
03	04 37 26.4	42.310 N	19.918 E	5 G	3.5				1.3	49	YUGOSLAVIA. MD 3.8 (TTG).
03	05 58 07.0	11.055 S	166.325 E	134 •	4.7				0.8	37	SANTA CRUZ ISLANDS
03	06 05 22.5&	59.998 N	152.775 W	91						34	SOUTHERN ALASKA. <AGS-P>.
03	06 18 58.2	36.858 N	71.084 E	99 •	4.8				1.2	32	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog, USSR.
03	06 28 07.3	42.336 N	19.943 E	10 G					0.7	10	YUGOSLAVIA. ML 2.7 (TTG).
03	06 58 34.2	42.336 N	19.954 E	10 G					0.8	11	YUGOSLAVIA. ML 2.6 (TTG).
03	07 15 46.1	36.415 N	71.587 E	33 N	4.1				1.0	13	AFGHANISTAN-USSR BORDER REGION
03	07 22 28.2	42.343 N	20.003 E	10 G					0.6	11	YUGOSLAVIA. MD 2.8 (TTG).
03	07 32 35.4	42.313 N	19.985 E	5 G					0.9	19	YUGOSLAVIA. MD 3.3 (TTG).
03	07 40 38.4•	23.719 S	69.452 W	134 •					0.5	8	NORTHERN CHILE
03	07 48 51.9	18.107 N	100.404 W	33 N	3.6				0.9	15	GUERRERO, MEXICO
03	08 02 13.3?	44.33 N	8.15 E	10 G					0.5	5	NORTHERN ITALY. ML 2.2 (LDG).
03	09 12 36.1	42.347 N	19.977 E	10 G					0.5	10	YUGOSLAVIA. MD 2.8 (TTG)
03	09 17 17.8	42.296 N	19.945 E	5 G	3.4				1.0	33	YUGOSLAVIA. MD 3.7 (TTG).
03	10 11 13.6&	61.426 N	149.859 W	46						34	SOUTHERN ALASKA. <AGS-P>. Felt at Anchorage.
03	10 12 00.9•	2.390 S	139.082 E	33 N	5.4				0.9	12	NEAR N. COAST OF WEST IRIAN
o 03	10 37 41.7	28.825 N	53.356 E	27 •	5.4 4.5				0.9	238	SOUTHERN IRAN. Additional damage in the Khonj area.
03	12 24 00.6•	1.261 S	138.125 E	33 N	4.6				0.9	8	NEAR N. COAST OF WEST IRIAN
03	12 28 08.3%	38.595 N	4.128 W	0 G					0.6	5	SPAIN. Probable explosion.
03	12 54 41.5•	18.212 N	120.300 E	51 •	4.4				1.4	24	LUZON, PHILIPPINE ISLANDS. Felt (III RF) at Pasuquin and (II RF) at Santo.
03	13 10 42.5	42.329 N	19.953 E	5 G					1.1	11	YUGOSLAVIA. MD 2.7 (TTG).
03	13 31 10.1	43.085 N	0.583 W	10 G					0.1	10	PYRENEES. ML 3.2 (LDG).
03	14 20 00.2	42.341 N	19.986 E	10 G					0.4	11	YUGOSLAVIA. ML 2.6 (TTG).
03	15 05 57.3	53.733 N	170.932 W	237 •	4.3				1.1	28	FOX ISLANDS, ALEUTIAN ISLANDS
03	15 35 18.6•	66.326 N	141.662 W	33 N					1.1	11	ALASKA. ML 4.3 (PWR).
03	15 37 51.3•	43.732 N	8.918 E	10 G					0.2	5	CORSICA. ML 2.7 (LDG).
03	16 29 38.6?	16.93 N	99.76 W	33 N					1.3	6	NEAR COAST OF GUERRERO, MEXICO
03	16 56 09.5•	51.589 N	175.441 E	33 N	5.0				1.4	11	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PWR).
03	17 27 42.5?	12.20 S	167.35 E	33 N	4.3				1.0	9	SANTA CRUZ ISLANDS
03	17 40 44.5	42.322 N	20.035 E	10 G					0.2	7	YUGOSLAVIA. ML 2.6 (TTG).
03	17 52 51.4	40.623 N	27.641 E	10 G					1.2	22	TURKEY
03	18 22 43.9•	17.327 S	179.020 W	487 •	3.8				0.8	18	FIJI ISLANDS REGION
03	18 46 06.6•	3.196 S	141.065 E	33 N	4.4				1.3	10	PAPUA NEW GUINEA
03	19 14 56.2•	44.622 N	16.640 E	10 G					0.8	8	YUGOSLAVIA. MD 3.4 (TRI). ML 2.8 (KBA). Felt (V) in the Mt. Grmec region.
03	19 34 37.9	51.578 N	16.248 E	10 G					0.5	11	POLAND. ML 3.8 (VKA), 3.5 (KBA)
03	20 50 59.2	40.092 N	24.803 E	9	3.6				1.0	43	AEGEAN SEA. ML 3.7 (ATH).
03	22 00 48.5	40.060 N	24.741 E	10 G					0.9	16	AEGEAN SEA
03	22 16 11.5•	44.879 N	16.778 E	10 G					0.5	7	YUGOSLAVIA. MD 3.2 (TRI). ML 2.6 (KBA)
03	23 05 11.6	62.169 N	124.035 W	10 G	4.9 4.2				1.0	65	NORTHWEST TERRITORIES, CANADA
03	23 18 08.0	42.350 N	19.954 E	10 G					1.0	12	YUGOSLAVIA. MD 2.8 (TTG)
03	23 19 24.1%	40.615 N	27.659 E	10 G					0.3	8	TURKEY
04	00 19 32.5?	27.36 N	110.31 W	10 G	4.4				1.8	9	GULF OF CALIFORNIA
04	00 30 12.0	42.304 N	19.945 E	13	3.8				1.2	62	YUGOSLAVIA. MD 3.9 (TTG)
04	01 03 03.6	44.556 N	7.087 E	10 G					0.4	7	NORTHERN ITALY. ML 2.6 (LDG).
04	01 22 53.3	8.105 S	120.039 E	186 •	4.7				1.2	22	FLORES ISLAND REGION
04	01 36 12.8	40.117 N	24.085 E	10 G					0.7	21	AEGEAN SEA
04	01 49 21.1?	16.54 N	100.33 W	33 N					1.5	5	NEAR COAST OF GUERRERO, MEXICO
04	01 51 18.3•	57.772 N	156.542 W	142 •	4.4				1.3	31	ALASKA PENINSULA
04	03 15 31.4•	22.468 S	178.449 W	375 •	4.7				1.5	29	SOUTH OF FIJI ISLANDS
04	03 28 07.6•	31.240 S	68.571 W	10 G					1.4	10	SAN JUAN PROVINCE, ARGENTINA
04	04 40 54.3?	55.39 N	164.35 E	33 N	4.3				1.2	7	KOMANDORSKY ISLANDS REGION
04	05 22 02.3	42.338 N	19.972 E	10 G					0.6	11	YUGOSLAVIA. MD 2.8 (TTG).
04	06 20 24.9	42.316 N	19.972 E	10 G					0.4	10	YUGOSLAVIA. ML 2.7 (TTG).
04	06 32 42.8	42.314 N	19.969 E	10 G					0.6	6	YUGOSLAVIA. MD 2.6 (TTG).
04	07 14 10.7•	23.692 N	95.605 E	33 N					0.9	5	BURMA
04	07 17 35.1?	43.92 N	7.37 E	10 G					0.2	5	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG).
04	09 01 28.0•	54.562 S	118.828 W	10 G	4.8				1.1	11	EASTER ISLAND CORDILLERA
04	09 07 19.4	57.805 N	156.609 W	142	4.4				1.1	40	ALASKA PENINSULA
04	09 35 25.7	32.154 N	141.632 E	28	5.3 4.7				0.9	159	SOUTH OF HONSHU, JAPAN
04	11 42 38.5•	40.264 S	176.638 E	44 ?	4.6				1.0	10	NORTH ISLAND, NEW ZEALAND. Felt at Waipukurau.

	04	12 25 38.5	28.451 N	140.630 E		10 G	4.8		1.1	67	BONIN ISLANDS REGION
	04	12 33 04.3	11.656 N	141.884 E		50 D	5.1		0.9	100	WEST CAROLINE ISLANDS
	04	13 01 07.7	42.339 N	19.975 E		10 G			0.6	10	YUGOSLAVIA. MD 2.6 (TTG).
	04	13 41 17.4	38.513 N	25.134 E		10 G	3.8		0.9	36	AEGEAN SEA. ML 4.1 (ATH).
	04	15 00 10.5•	6.083 S	151.645 E		33 N	4.5		1.4	11	NEW BRITAIN REGION
	04	15 16 04.1	44.219 N	129.218 W		10 G	4.6		1.0	19	OFF COAST OF OREGON
	04	15 42 07.5	44.206 N	129.299 W		10 G	4.5	4.2	1.2	45	OFF COAST OF OREGON
	04	15 50 31.8&	32.040 N	116.300 W		8 G				3	CALIFORNIA-MEXICO BORDER REGION. <ECX-P>. MD 2.1 (ECX).
	04	17 56 19.1?	14.28 N	91.50 W		33 N	4.7		1.3	10	GUATEMALA
	04	18 24 31.9•	1.916 N	126.315 E		184 ?	4.1		0.6	6	MOLUCCA PASSAGE
	04	19 03 33.2?	17.42 S	178.37 W		569 ?	4.3		0.9	12	FIJI ISLANDS REGION
o	04	20 30 44.7•	48.921 S	108.590 E		10 G	5.1	5.2	1.2	28	SOUTHEAST INDIAN RISE
	04	21 16 26.6	42.281 N	19.934 E		8			1.2	49	YUGOSLAVIA. MD 3.8 (TTG).
	04	23 33 28.9	17.838 N	61.630 W		46 •	4.9	4.2	1.1	64	LEEWARD ISLANDS
	05	00 29 04.2	18.009 N	61.505 W		16	4.9		0.6	22	LEEWARD ISLANDS. ML 4.2 (FDF).
	05	00 44 29.7	42.321 N	19.942 E		10 G			1.3	12	YUGOSLAVIA. MD 2.8 (TTG).
	05	00 58 11.2•	33.227 S	72.493 W		33 N	4.4		1.0	18	OFF COAST OF CENTRAL CHILE
	05	01 29 52.4?	32.15 S	71.44 W		10 G			0.3	5	NEAR COAST OF CENTRAL CHILE
	05	02 02 56.5%	12.518 S	76.788 W		33 N			0.8	5	NEAR COAST OF PERU. Felt (IV) at Lima.
	05	02 58 20.5•	32.961 S	72.067 W		12			1.1	10	OFF COAST OF CENTRAL CHILE
	05	03 34 00.0?	36.90 N	21.41 E		10 G			0.7	5	SOUTHERN GREECE. ML 3.7 (ATH).
o	05	03 35 38.8	37.993 N	37.806 E		10 G	5.9	5.9	1.1	318	TURKEY. Fifteen people killed, 100 injured and approximately 4,000 houses damaged in the Degorsehir-Golbasi area. Damage to all houses in the village of Kapidere. Slight damage to houses around the cities of Adiyaman and Elbistan. Felt strongly at Gaziantep, Urfa, Kayseri, Sivas, Kahramanmaras, Diyarbakir, Antakya and Mardin. Some dangerous cracks in the arch of Surgu Dam. Slight damage to railroads in the epicentral area. Depth from broadband displacement seismograms.
	05	04 24 48.5	13.792 S	167.132 E		214 •	5.0		1.1	55	VANUATU ISLANDS
	05	04 30 48.2%	38.618 N	26.889 E		10 G			0.7	5	AEGEAN SEA
	05	04 49 39.8•	27.286 N	139.927 E		395 •	4.3		0.8	18	BONIN ISLANDS REGION
o	05	05 46 37.4	18.156 N	102.657 W		38	5.6	5.5	1.1	227	MICHOACAN, MEXICO. Ms 5.6 (BRK), 5.4 (PAS). Felt at Colima and Guadalajara. Felt (III) at Mexico City.
	05	06 21 34.2	36.102 N	71.173 E		129 D	4.5		1.6	23	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Garm and Khorog, USSR.
	05	06 22 59.8	30.591 N	137.764 E		484	4.6		1.1	34	SOUTH OF HONSHU, JAPAN
o	05	06 30 16.8	58.908 S	24.728 W		10 G	5.0	5.4	1.1	38	SOUTH SANDWICH ISLANDS REGION
	05	06 40 29.0	52.639 S	18.553 E		10 G	5.4		1.1	46	SOUTHWEST OF AFRICA
	05	06 43 58.8?	59.05 S	24.89 W		33 N	4.9		1.0	13	SOUTH SANDWICH ISLANDS REGION
	05	07 01 29.1	38.087 N	37.861 E		10 G	4.6		1.2	51	TURKEY
	05	09 19 48.7•	2.514 S	139.556 E		33 N	4.3		1.0	16	NEAR N. COAST OF WEST IRIAN
o	05	09 44 27.4	58.782 S	24.855 W		33 N	5.2	5.2	1.1	76	SOUTH SANDWICH ISLANDS REGION
	05	10 15 45.3%	40.701 N	29.132 E		10 G			0.5	7	TURKEY
	05	10 27 03.6%	39.128 N	27.595 E		10 G			0.2	5	TURKEY
o	05	10 32 08.4	58.711 S	24.850 W		33 N	5.4	5.3	1.0	58	SOUTH SANDWICH ISLANDS REGION
	05	11 17 33.6?	41.81 N	22.92 E		10 G			0.9	4	YUGOSLAVIA
	05	11 27 58.0?	37.66 N	27.21 E		10 G			1.4	6	TURKEY
	05	11 31 20.7•	37.981 N	37.876 E		10 G			1.1	5	TURKEY
	05	11 52 38.6&	61.208 N	151.756 W		88				37	SOUTHERN ALASKA. <AGS-P>.
	05	13 14 55.3?	58.67 N	6.16 E		10 G			0.6	5	SOUTHERN NORWAY. MD 2.0 (BER).
	05	13 27 24.9	36.931 N	141.456 E		77 D	4.8		1.2	73	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Onahama, Mito, Fukushima and Utsunomiya; (I JMA) at Kumagaya, Tokyo and Miyako. Also felt at Sendai.
o	05	15 14 35.9	7.845 S	155.975 E		85	5.6		1.0	105	SOLOMON ISLANDS. Felt (IV) at Arawa, Bougainville.
	05	15 51 04.2&	35.040 N	118.940 W		6 G				9	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	05	15 55 19.4?	46.00 N	14.55 E		10 G			0.9	5	YUGOSLAVIA. ML 1.9 (KBA).
	05	16 27 45.2•	8.240 N	91.994 E		33 N	4.5		1.3	10	NICOBAR ISLANDS REGION
	05	16 28 11.0•	31.510 S	69.160 W		125 •			0.8	14	SAN JUAN PROVINCE, ARGENTINA
	05	19 09 28.5•	11.745 S	166.854 E		131 ?	4.8		1.1	28	SANTA CRUZ ISLANDS
	05	19 51 22.7	42.334 N	20.138 E		10 G			1.3	10	YUGOSLAVIA. MD 2.8 (TTG).
	05	21 00 22.9	37.976 N	37.824 E		10 G	3.8		0.8	13	TURKEY
	05	23 59 00.1	40.378 N	27.999 E		10 G			1.1	25	TURKEY
	06	00 53 29.3?	24.19 S	177.92 W		333 ?	4.3		0.5	10	SOUTH OF FIJI ISLANDS
	06	01 11 17.7•	39.328 N	21.014 E		10 G			0.8	5	GREECE
	06	03 40 24.8&	31.614 N	116.936 W		8 G				10	BAJA CALIFORNIA. <ECX-P>. ML 3.4 (PAS).
	06	06 40 56.5?	15.53 N	59.83 W		10 G			0.1	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	06	06 51 07.1•	24.952 N	123.537 E		72 ?	4.5		1.4	9	SOUTHWESTERN RYUKYU ISLANDS
	06	12 00 53.8•	0.775 N	97.348 E		33 N	4.6		1.3	21	NORTHERN SUMATERA
	06	12 44 31.2?	8.08 S	123.71 E		235 •	3.9		0.7	8	FLORES ISLAND REGION
	06	13 16 42.2	18.430 N	103.162 W		57 •	4.9		1.2	57	NEAR COAST OF MICHOACAN, MEXICO. Felt at Colima and in the Mexico City area.
	06	13 50 22.3?	0.65 N	96.88 E		33 N			1.5	5	OFF W COAST OF NORTHERN SUMATERA
	06	13 54 52.5•	5.621 S	130.864 E		225 •	3.8		1.0	12	BANDA SEA
	06	14 33 06.4•	39.901 N	140.890 E		104	4.5		1.1	23	HONSHU, JAPAN. Felt (II JMA) at Miyako and (I JMA) at Morioka.
	06	15 01 09.1	42.377 N	19.919 E		10 G			0.9	11	YUGOSLAVIA. MD 2.6 (TTG).
	06	15 16 35.5?	20.36 S	68.32 W		33 N			1.6	5	CHILE-BOLIVIA BORDER REGION
	06	15 44 58.3&	59.970 N	152.633 W		89				24	SOUTHERN ALASKA. <AGS-P>.
	06	15 47 34.2	36.256 N	70.858 E		104 •	4.9		1.0	97	HINDU KUSH REGION. Felt (III) at Ishkoshim, Khorog and Dushanbe, USSR.
	06	16 17 58.2?	16.77 N	88.43 W		10 G			0.3	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	06	16 45 01.9	43.098 N	0.521 W		10 G			0.9	10	PYRENEES. ML 3.1 (LDG).
	06	16 49 04.8•	27.589 S	71.988 W		34 •			1.2	17	NEAR COAST OF NORTHERN CHILE
	06	17 10 01.2	42.369 N	20.006 E		17 G			0.9	9	YUGOSLAVIA. MD 2.7 (TTG).
	06	18 36 48.7?	33.35 S	71.57 W		10 G			0.2	7	NEAR COAST OF CENTRAL CHILE
	06	19 16 53.5	10.518 S	116.404 E		33 N	4.1		1.1	17	SOUTH OF SUMBAWA ISLAND
	06	19 28 55.1	10.460 S	116.337 E		33 N	4.9		1.4	44	SOUTH OF SUMBAWA ISLAND
	06	22 38 35.4&	49.375 N	124.620 W		22				6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.8 (BRK).
	06	22 39 34.2	42.994 N	0.050 W		10 G			0.2	9	PYRENEES. ML 2.7 (LDG).
	06	22 50 19.8•	23.365 N	123.693 E		33 N	4.4		0.9	12	SOUTHWESTERN RYUKYU ISLANDS

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07	08	18	02.4•	8.529	S	186.824	E	33	N	3.7	1.2	11	SOUTH OF JAVA
07	08	30	14.2•	45.821	N	26.732	E	92	?		0.6	11	ROMANIA
07	01	30	42.2•	9.994	N	104.284	W	10	G	4.4	1.2	18	OFF COAST OF MEXICO
07	02	23	54.8•	51.570	N	7.323	E	10	G		1.2	6	GERMANY. ML 1.7 (BNS).
07	02	27	00.4	33.233	N	87.361	W	1	G	4.2	0.8	26	ALABAMA. mbLg 4.5 (NEIS), 4.0 (TUL). Probable cool bump. Felt in Tuscaloosa County.
07	02	43	10.27	17.68	S	27.26	E	10	G		0.8	5	ZIMBABWE. MG 3.6 (BUL). Felt (IV) at Binga.
07	03	10	04.87	40.23	N	33.01	E	10	G		0.1	4	TURKEY
07	04	01	25.4	2.445	S	139.472	E	33	N	4.3	1.2	29	NEAR N. COAST OF WEST IRIAN
07	06	02	49.8•	31.909	S	68.163	W	10	G		1.0	5	SAN JUAN PROVINCE, ARGENTINA
07	06	08	41.9&	40.240	N	127.273	W	5	G	4.0		29	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.2 (BRK).
07	07	38	17.8%	60.434	N	5.129	E	10	G		0.1	5	SOUTHERN NORWAY. MD 1.9 (BER).
07	08	09	07.5%	39.125	N	27.614	E	10	G		0.2	5	TURKEY
07	09	19	36.8•	28.930	N	128.816	E	159	•	4.0	0.9	12	RYUKYU ISLANDS
07	10	09	09.8	37.955	N	37.967	E	10	G		1.2	7	TURKEY
07	11	02	57.57	42.89	N	1.33	W	10	G		1.2	15	PYRENEES
07	12	26	47.3%	38.612	N	4.104	W	0	G		1.2	5	SPAIN. Probable explosion.
07	12	34	09.0&	34.260	N	117.868	W	12				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
07	12	35	32.8•	38.054	N	38.026	E	10	G	4.2	1.4	10	TURKEY
07	12	37	40.27	43.36	N	24.66	E	10	G		1.1	5	BULGARIA
07	14	09	06.5%	18.24	N	99.345	W	33	N		0.6	5	GUERRERO, MEXICO
07	14	26	24.3•	34.812	S	72.107	W	21		4.2	1.4	17	NEAR COAST OF CENTRAL CHILE
07	15	09	49.5	33.961	S	71.394	W	55			1.0	20	NEAR COAST OF CENTRAL CHILE. Felt (III) at Santiago.
07	15	12	59.8	42.162	N	19.187	E	9			0.6	12	YUGOSLAVIA. MD 2.8 (TTG).
07	15	13	15.3	30.503	N	141.983	E	39		4.8	0.9	47	SOUTH OF HONSHU, JAPAN
07	15	39	10.7•	38.152	N	19.671	E	10	G		0.6	9	IONIAN SEA. ML 4.0 (ATH).
07	15	51	46.37	30.61	S	71.72	W	33	N		0.7	10	NEAR COAST OF CENTRAL CHILE
07	16	28	23.7•	7.067	S	127.139	E	376	•	4.7	0.7	17	BANDA SEA
07	16	37	15.9	18.297	N	62.341	W	22		4.5 3.9	1.2	47	NEAR COAST OF VENEZUELA. Felt (III) on Trinidad.
07	16	43	27.5	36.226	N	120.253	W	5	G		0.6	8	CENTRAL CALIFORNIA. ML 2.5 (BRK).
07	17	01	29.3%	39.238	N	28.132	E	10	G		0.6	5	TURKEY
07	17	54	35.2	26.804	N	57.621	E	33	N	4.5	1.2	27	SOUTHERN IRAN
07	18	10	13.8•	55.149	N	157.574	W	33	N	4.7	0.9	20	ALASKA PENINSULA. ML 4.0 (PMR).
07	18	41	46.2•	31.597	S	68.720	W	102	•		0.3	7	SAN JUAN PROVINCE, ARGENTINA
07	19	13	23.6	42.335	N	20.885	E	10	G		0.4	8	YUGOSLAVIA. MD 3.0 (TTG).
07	19	38	40.47	38.26	N	1.28	W	10	G		1.3	4	SPAIN
07	19	51	40.0•	34.387	N	137.554	E	330	•	4.1	0.3	13	NEAR S. COAST OF HONSHU, JAPAN
07	20	43	11.0	51.360	N	174.716	W	33	N	5.0	1.1	109	ANDREANOF ISLANDS, ALEUTIAN IS.
f 07	20	43	31.2	51.384	N	174.809	W	22	G	6.1 6.0	1.0	354	ANDREANOF ISLANDS, ALEUTIAN IS. ML 6.1 (PMR), Ms 6.1 (BRK), 5.9 (PAS). Felt on Adak. Depth from broadband displacement seismograms.
07	21	23	13.1	51.324	N	174.844	W	33	N	5.0	1.1	86	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
07	21	30	42.47	51.38	N	174.50	W	33	N	4.2	1.5	4	ANDREANOF ISLANDS, ALEUTIAN IS.
07	21	33	14.9%	33.766	S	71.667	W	10	G		0.4	9	NEAR COAST OF CENTRAL CHILE
07	21	34	20.47	22.08	S	179.88	E	684	?	4.3	1.0	13	SOUTH OF FIJI ISLANDS
07	21	39	06.27	52.07	N	174.91	W	33	N	4.4	1.1	6	ANDREANOF ISLANDS, ALEUTIAN IS.
07	21	42	30.2•	51.531	N	174.802	W	33	N	4.5	0.8	18	ANDREANOF ISLANDS, ALEUTIAN IS.
07	22	10	18.7•	33.828	S	71.597	W	23			0.2	10	NEAR COAST OF CENTRAL CHILE
07	22	22	14.37	51.96	N	174.72	W	33	N	4.1	0.3	7	ANDREANOF ISLANDS, ALEUTIAN IS.
f 07	22	47	10.8	51.520	N	174.776	W	33	N	6.4 7.7	1.1	513	ANDREANOF ISLANDS, ALEUTIAN IS. Ms 7.9 (BRK), 7.8 (PAS). Multiple event. Damage (VI) on Adak and Atka. Tsunami generated with observed wave heights 91 to 122 cm at Kapaa, Kauai and 61 to 91 cm at Hanalei, Kauai and along the coast of Washington. Maximum recorded wave heights at selected tide stations were as follows: 175 cm at Adak, 25 cm at Unalaska and 10 cm at Sand Point, Alaska; 55 cm at Hilo, 36 cm at Kahului and 27 cm at Honolulu, Hawaii; 45 cm at Coquimbo and 15 cm at Valparaiso, Chile; 46 cm at Kushiro, Hokkaido; 24 cm at Chichi-shima, Bonin Islands; 40 cm at Port Lyttleton, New Zealand; 12 cm at Crescent City, California; 10 cm at Wake Island and 5 cm at Apia, Samoa. Negative tsunami reports were received from Bering Island, USSR; San Francisco, California and Ponape, Caroline Islands.
07	22	55	05.0&	51.500	N	174.800	W	33	N	5.6		11	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	22	57	43.0&	51.500	N	174.800	W	33	N	5.7		45	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	00	41.0&	51.50(	N	174.800	W	33	N	5.2		6	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	04	09.0&	51.500	N	174.800	W	33	N	4.9		8	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	04	52.0&	51.500	N	174.800	W	33	N	5.3		7	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	06	38.0&	51.500	N	174.800	W	33	N	5.0		10	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	07	45.0&	51.500	N	174.800	W	33	N	5.5		21	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	12	35.0&	51.500	N	174.800	W	33	N	5.0		7	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	12	48.0&	51.500	N	174.800	W	33	N	5.3		33	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	13	16.0&	51.500	N	174.800	W	33	N	5.2		6	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	15	04.8•	51.496	N	175.440	W	33	N	5.4	0.8	22	ANDREANOF ISLANDS, ALEUTIAN IS.
07	23	17	16.0&	51.500	N	174.800	W	33	N	5.3		11	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	18	23.0&	51.500	N	174.800	W	33	N	4.9		5	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	20	17.0&	51.500	N	174.800	W	33	N	5.2		9	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
07	23	24	06.0&	51.500	N	174.800	W	33	N	5.2		11	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.

	07	23	25	25.9	36.374	N	78.712	E	223		5.6	
	07	23	26	57.7?	51.40	N	174.14	W	33	N	5.4	
	07	23	29	36.5•	51.701	N	176.439	W	33	N	4.9	
	07	23	33	21.6?	51.19	N	174.54	W	33	N	4.7	
	07	23	36	18.1	51.518	N	174.150	W	33	N	5.7	
	07	23	41	21.0&	51.500	N	174.800	W	33	N	5.1	
	07	23	48	07.2	51.412	N	175.443	W	33	N	5.0	
o	07	23	51	01.9	51.469	N	174.886	W	33	N	5.8	
	07	23	52	15.0&	51.500	N	174.800	W	33	N	5.7	
	07	23	59	35.2•	51.465	N	178.858	E	33	N	4.7	
	08	00	00	40.0&	51.500	N	174.800	W	33	N	4.7	
	08	00	10	58.0	51.543	N	175.343	W	33	N	5.0	
	08	00	18	27.7•	51.910	N	174.630	W	33	N	4.5	
	08	00	20	42.0&	51.500	N	174.800	W	33	N	4.4	
	08	00	30	59.3•	51.562	N	176.107	W	33	N	4.8	
	08	00	35	15.4•	51.409	N	175.490	W	33	N	4.2	
	08	00	42	23.3•	51.012	N	176.233	W	33	N	4.5	
	08	00	45	47.1?	51.23	N	175.90	W	33	N	4.6	
	08	00	55	18.3	51.349	N	174.319	W	33	N	5.2	
	08	00	59	09.6•	51.700	N	174.207	W	33	N	4.7	
	08	01	02	39.0?	51.79	N	174.63	W	33	N	4.6	
	08	01	05	50.4?	51.20	N	175.74	W	33	N	4.8	
	08	01	06	15.6	51.608	N	174.697	W	33	N	5.3	
o	08	01	11	02.2	51.087	N	176.667	W	33	N	5.9	
	08	01	15	15.0	51.189	N	176.813	W	33	N	5.6	
	08	01	18	00.9	51.161	N	176.565	W	33	N	5.4	
	08	01	20	57.0	51.147	N	176.900	W	33	N	5.1	
	08	01	22	46.9•	51.204	N	176.901	W	33	N	5.2	
	08	01	30	54.8	51.184	N	176.777	W	33	N	5.1	
	08	01	40	11.8?	51.38	N	173.98	W	33	N	4.2	
	08	01	45	19.3•	51.002	N	176.954	W	33	N	4.7	
	08	01	53	03.3%	39.126	N	27.789	E	10	G		
	08	01	54	12.3•	51.186	N	176.062	W	33	N	5.1	
	08	02	04	00.3	51.164	N	176.887	W	33	N	5.5	
	08	02	16	34.0	51.423	N	174.755	W	33	N	4.8	
	08	02	27	41.1•	51.040	N	176.762	W	33	N	4.4	
	08	02	32	54.8	51.333	N	174.811	W	33	N	5.1	
	08	02	42	30.8?	51.15	N	175.95	W	33	N	3.9	
	08	02	44	35.0•	51.257	N	176.324	W	33	N	4.4	
	08	02	59	39.5	51.432	N	175.884	W	33	N	5.0	
	08	03	08	25.7•	50.967	N	176.252	W	33	N	4.6	
	08	03	14	27.7	51.483	N	174.556	W	33	N	4.8	
	08	03	18	11.7•	22.961	N	101.379	E	33	N	4.4	
	08	03	20	14.6	51.258	N	175.501	W	33	N	4.8	
	08	03	23	40.6	51.152	N	176.646	W	33	N	5.0	
	08	03	44	06.7	51.318	N	175.244	W	33	N	5.1	
	08	03	52	51.4	51.184	N	176.690	W	33	N	5.2	
	08	04	01	15.4?	14.87	N	61.48	W	174	?		
	08	04	03	50.0	51.140	N	176.442	W	33	N	5.8	5.5
	08	04	17	11.4•	34.022	S	71.737	W	30		4.7	
	08	04	19	59.2•	51.214	N	175.840	W	33	N	4.6	
	08	04	27	58.6	51.379	N	176.159	W	33	N	5.1	
	08	04	31	45.6•	51.135	N	176.424	W	33	N	4.3	
	08	04	32	20.6	51.535	N	174.708	W	33	N	5.0	
	08	04	45	17.7	51.370	N	174.136	W	33	N	5.4	
	08	05	20	23.5•	51.333	N	175.200	W	33	N	4.0	
	08	05	32	08.7	51.449	N	174.900	W	33	N	4.9	
f	08	05	37	20.2	51.336	N	175.363	W	18	G	6.0	6.2
	08	05	52	38.0•	31.309	S	67.918	W	5	G		
	08	06	01	45.9%	39.137	N	27.769	E	10	G		
	08	06	04	18.7	51.106	N	176.120	W	33	N	5.2	
	08	06	21	28.2•	51.297	N	175.420	W	33	N	4.8	
	08	06	26	55.2•	51.855	N	174.383	W	33	N	4.9	
	08	06	41	59.8	51.370	N	176.165	W	33	N	5.1	
	08	06	48	43.5	51.397	N	174.990	W	33	N	4.8	
	08	06	50	05.5•	51.227	N	176.328	W	33	N	5.2	
	08	06	59	45.7	31.541	S	69.575	W	138	•		
	08	07	28	48.5	51.333	N	175.288	W	33	N	4.8	
	08	07	33	51.2•	50.968	N	175.361	W	33	N	4.7	
	08	07	49	41.5?	51.23	N	174.80	W	33	N	4.3	
	08	07	54	29.7?	51.67	N	174.74	W	33	N	4.0	
	08	07	58	40.8?	31.54	S	69.23	W	109	?		
	08	08	12	00.2	51.679	N	174.575	W	33	N	4.8	
	08	08	18	17.3•	32.901	S	138.027	E	10	G		
	08	08	25	21.8	5.259	S	153.146	E	43		5.1	
	08	08	49	50.8•	51.049	N	176.482	W	33	N	4.6	
	08	08	51	27.5	5.234	S	152.958	E	67		4.9	
	08	08	59	08.6	24.049	N	120.922	E	33	N	5.0	
	08	09	05	16.5	51.687	N	174.562	W	33	N	4.9	5.0
	08	09	10	04.2	5.087	S	153.179	E	46		5.2	
	08	09	12	36.3&	31.466	N	115.604	W	8	G		
	08	09	18	46.7	33.069	S	70.847	W	58		4.2	
	08	09	19	30.8•	51.408	N	174.660	W	33	N	4.5	
	08	10	10	21.9•	51.330	N	175.479	W	33	N	4.8	
	08	10	16	28.3•	30.575	S	178.383	W	33	N	4.8	

0.9	237	HINDU KUSH REGION. Felt (III) at Khorog, Nurek, Dushanbe and Samarkand; (II) at Andizhan, USSR. Felt at Peshawar, Pakistan.
0.9	8	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	12	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	18	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	113	ANDREANOF ISLANDS, ALEUTIAN IS.
	33	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
0.7	43	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	203	ANDREANOF ISLANDS, ALEUTIAN IS.
	42	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
1.2	16	RAT ISLANDS, ALEUTIAN ISLANDS
	16	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
0.8	35	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	11	ANDREANOF ISLANDS, ALEUTIAN IS.
	6	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Held to the main shock location to the nearest tenth of a degree.
0.7	10	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	7	ANDREANOF ISLANDS, ALEUTIAN IS.
1.3	10	ANDREANOF ISLANDS, ALEUTIAN IS.
0.5	7	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	82	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	29	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	7	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	8	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	195	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	326	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.9 (PMR).
1.0	139	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	58	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	66	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	51	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	106	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR).
1.0	6	ANDREANOF ISLANDS, ALEUTIAN IS.
1.4	20	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.8 (PMR).
0.3	5	TURKEY
1.2	26	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
1.0	264	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.5 (PMR).
0.9	55	ANDREANOF ISLANDS, ALEUTIAN IS.
1.2	17	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
0.9	94	ANDREANOF ISLANDS, ALEUTIAN IS.
0.6	5	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	9	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	100	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
1.1	17	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
1.1	51	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	7	BURMA-CHINA BORDER REGION
1.1	108	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	80	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
0.9	131	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
0.9	113	ANDREANOF ISLANDS, ALEUTIAN IS.
0.5	12	WINDWARD ISLANDS
1.1	298	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.7 (PMR).
1.3	20	NEAR COAST OF CENTRAL CHILE
1.3	14	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	22	ANDREANOF ISLANDS, ALEUTIAN IS.
1.2	15	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	45	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	132	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	14	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PMR).
0.9	79	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
1.0	401	ANDREANOF ISLANDS, ALEUTIAN IS. ML 6.2 (PMR), Ms 6.3 (BRK), 6.3 (PAS). Depth from broadband displacement seismograms.
1.5	18	SAN JUAN PROVINCE, ARGENTINA
0.4	6	TURKEY
0.9	128	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.1 (PMR).
1.0	24	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR)
1.1	62	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	56	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR).
0.9	41	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
0.7	13	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	18	SAN JUAN PROVINCE, ARGENTINA
0.9	82	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
1.1	14	ANDREANOF ISLANDS, ALEUTIAN IS.
1.9	7	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	5	ANDREANOF ISLANDS, ALEUTIAN IS.
0.4	5	SAN JUAN PROVINCE, ARGENTINA
0.9	59	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
0.9	7	NEAR SOUTH COAST OF AUSTRALIA
1.0	26	NEW IRELAND REGION
1.1	22	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
1.2	62	NEW BRITAIN REGION
1.3	28	TAIWAN
1.0	82	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
1.0	64	NEW IRELAND REGION
	3	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
0.5	15	CHILE-ARGENTINA BORDER REGION
1.0	35	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PMR).
1.2	25	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
1.4	12	KERMADEC ISLANDS. Felt (III) on Raoul Island.

	08	10	52	20.0	51.502	N	175.718	W	33	N	4.9	
	08	11	16	52.8	73.281	N	6.212	E	10	G	4.9	4.7
	08	11	23	56.3	51.414	N	174.535	W	33	N	4.9	
	08	11	28	22.4%	45.900	N	7.499	E	10	G		
	08	11	35	59.8?	51.15	N	175.98	W	33	N	4.4	
	08	11	43	43.8	36.177	N	77.620	E	33	N	4.5	
	08	11	58	16.5•	51.227	N	176.167	W	33	N	4.8	
	08	12	05	59.3•	51.028	N	176.120	W	33	N	4.0	
	08	12	11	41.3•	51.740	N	175.368	W	33	N	4.7	
	08	12	22	29.8	51.648	N	174.434	W	33	N	5.1	4.6
	08	12	34	48.8	51.717	N	175.277	W	33	N	5.1	4.5
	08	12	40	15.2•	7.461	S	129.582	E	59	?	4.3	
	08	12	52	18.7•	51.086	N	176.687	W	33	N	4.8	
	08	13	07	35.1?	51.45	N	175.07	W	33	N	4.5	
	08	13	13	02.8%	50.962	N	4.776	E	10	G		
	08	13	22	39.2•	51.344	N	175.471	W	33	N	4.7	
	08	13	23	07.0%	60.002	N	4.798	E	10	G		
	08	13	29	02.0	51.295	N	175.297	W	33	N	4.7	
	08	13	39	01.4•	51.670	N	174.219	W	33	N	4.6	
	08	13	56	48.1	51.412	N	175.497	W	33	N	4.9	
	08	14	01	58.8?	51.32	N	174.86	W	33	N	4.2	
	08	14	14	36.8•	16.069	N	121.674	E	33	N		
a	08	14	37	35.9	4.627	N	125.499	E	166		5.8	
	08	15	19	44.2	40.848	N	22.382	E	10	G		
	08	15	21	52.7&	62.210	N	150.972	W	67			
	08	15	24	41.1•	51.195	N	176.143	W	33	N	4.8	
	08	15	31	29.1•	51.287	N	175.613	W	33	N	4.6	
	08	15	45	46.4&	33.007	N	80.178	W	5			
	08	15	47	28.2•	51.159	N	176.065	W	33	N	5.2	
	08	16	05	49.9	51.445	N	175.464	W	33	N	4.9	
	08	16	07	23.5	32.702	N	132.560	E	43		4.5	
	08	16	20	28.2•	33.173	S	72.983	W	28		4.5	
	08	16	36	01.9	51.494	N	173.877	W	33	N	5.4	5.1
	08	17	00	53.9%	38.173	N	0.700	W	10	G		
	08	17	08	06.6	36.788	N	121.258	W	10	G		
	08	17	49	09.1•	34.279	S	70.547	W	33	•		
	08	18	16	32.6?	37.05	N	21.57	E	33	N		
	08	18	43	02.8?	51.54	N	175.17	W	33	N	4.8	
	08	19	19	28.8•	51.512	N	175.176	W	33	N	4.7	
	08	19	20	12.2?	24.87	S	179.82	E	582	?	4.6	
	08	19	58	29.0	46.350	N	6.571	E	10	G		
	08	20	33	01.7•	32.266	S	68.920	W	129	?		
	08	21	02	31.7	12.655	N	88.000	W	95	•	4.8	
	08	21	16	37.8•	9.556	N	126.759	E	33	N	4.7	
	08	21	40	41.9•	51.350	N	175.779	W	33	N	4.6	
	08	22	01	17.2?	51.47	N	174.97	W	33	N	4.8	
	08	22	26	48.4•	43.239	N	10.741	E	10	G		
	08	22	36	01.9•	51.140	N	176.101	W	33	N	4.5	
	08	22	41	16.6•	35.623	N	140.265	E	78	?		
	08	22	45	22.9•	51.687	N	175.257	W	33	N	4.4	
	08	22	50	53.9•	51.753	N	174.565	W	33	N	4.8	
	08	23	10	36.3	38.040	N	4.375	W	10	G		
	08	23	11	12.1	51.531	N	173.937	W	33	N	5.1	
	08	23	29	49.3?	51.83	N	174.06	W	33	N	5.1	
	08	23	48	28.6	14.648	S	167.230	E	174		4.8	
	08	23	58	36.5•	51.358	N	176.253	W	33	N	4.8	
	09	00	08	24.5&	60.056	N	153.194	W	118			
	09	00	23	21.1•	27.635	S	71.191	W	105	?		
	09	01	00	37.7•	19.584	N	98.679	W	5	G		
	09	01	05	30.6	51.218	N	176.907	W	33	N	5.5	5.6
	09	01	08	10.3	51.192	N	176.876	W	33	N	5.6	5.5
	09	01	18	53.9&	62.894	N	149.770	W	58			
	09	01	32	44.2?	51.42	N	173.86	W	33	N	4.5	
	09	01	56	24.3•	5.353	N	125.360	E	33	N	4.8	
	09	02	25	12.4•	51.088	N	176.990	W	33	N	4.8	
	09	02	26	01.3%	33.758	S	70.840	W	33	N		
	09	02	29	42.4	36.877	N	121.270	W	10	G		
	09	02	50	16.1?	10.71	S	164.80	E	33	N	2.9	
	09	04	06	45.9&	31.474	N	115.598	W	8	G		
	09	04	23	24.4	36.209	N	25.477	E	108	•	4.3	
	09	05	01	40.7&	31.977	N	116.377	W	8	G		
	09	05	02	28.4•	29.850	S	71.802	W	33	N		
	09	05	57	08.2&	31.985	N	116.284	W	8	G		
	09	05	58	15.2&	62.624	N	148.746	W	56			
	09	06	00	39.6&	31.959	N	116.287	W	8	G		
	09	06	04	54.2	51.378	N	174.304	W	33	N	5.0	
	09	06	49	34.8?	51.50	N	175.48	W	33	N	4.4	
	09	07	11	47.9?	19.22	N	145.24	E	143	?	4.2	
	09	07	27	35.5•	37.712	S	179.888	E	56	?	5.1	
	09	07	31	58.8•	51.711	N	173.564	W	33	N	4.3	
	09	07	54	10.3%	31.715	S	69.090	W	112	?		
	09	09	01	13.6•	28.934	S	70.185	W	132	?		
	09	09	04	33.0&	46.540	N	66.140	W	18	G		
	09	09	13	25.4	51.446	N	173.514	W	33	N	4.7	4.0
	09	09	14	23.1%	39.434	N	29.696	E	10	G		
	09	09	41	31.4	51.589	N	175.628	W	33	N	4.8	

1.3	64	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
1.0	117	GREENLAND SEA
0.9	88	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
1.1	10	NORTHERN ITALY. ML 2.7 (LDG).
0.8	6	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	28	KASHMIR-XINJIANG BORDER REGION
1.2	19	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	7	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PMR).
0.4	9	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PMR).
1.0	105	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
0.9	127	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR).
1.5	15	BANDA SEA
1.0	12	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PMR).
1.4	8	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
0.5	5	SOUTHERN NORWAY. MD 2.1 (BER).
1.3	28	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PMR).
0.2	6	SOUTHERN NORWAY. MD 2.1 (BER).
1.1	35	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
0.9	26	ANDREANOF ISLANDS, ALEUTIAN IS.
1.5	14	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	7	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.9 (PMR).
0.5	5	LUZON, PHILIPPINE ISLANDS
1.2	273	TALAUD ISLANDS. Felt (II RF) at Cagayan de Oro, Philippine Islands.
0.4	10	GREECE
	41	CENTRAL ALASKA. <AGS-P>.
1.2	27	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
1.1	19	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	5	SOUTH CAROLINA. <GLD>. MD 1.4 (GLD).
1.0	13	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	87	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	26	SHIKOKU, JAPAN. Felt (II JMA) at Ashizuri. Felt (I JMA) at Nobeoka and Oita, Kyushu.
1.0	17	OFF COAST OF CENTRAL CHILE
0.9	175	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	5	SPAIN. MG 3.2 (MDD). Felt (IV) at Elche and (III) at Crevillente, Guardamar de Segura and Torrevieja.
0.6	14	CENTRAL CALIFORNIA. ML 2.9 (BRK).
1.4	7	CHILE-ARGENTINA BORDER REGION
0.5	5	SOUTHERN GREECE. ML 3.3 (ATH).
0.8	10	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	26	ANDREANOF ISLANDS, ALEUTIAN IS.
1.3	18	SOUTH OF FIJI ISLANDS
0.8	28	SWITZERLAND. ML 3.1 (LDG).
0.2	8	MENDOZA PROVINCE, ARGENTINA
1.0	44	OFF COAST OF CENTRAL AMERICA
1.2	17	MINDANAO, PHILIPPINE ISLANDS
1.0	19	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	9	ANDREANOF ISLANDS, ALEUTIAN IS.
0.4	6	CENTRAL ITALY
1.0	15	ANDREANOF ISLANDS, ALEUTIAN IS.
0.5	9	NEAR EAST COAST OF HONSHU, JAPAN
1.0	15	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	14	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	8	SPAIN. ML 3.5 (MDD). Felt (V) at Montoro, Marmolejo and Villa del Rio; (IV) at Andujar, Arjona and Pedro Abad.
0.9	112	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	12	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	58	VANUATU ISLANDS
0.9	19	ANDREANOF ISLANDS, ALEUTIAN IS.
	36	SOUTHERN ALASKA. <AGS-P>.
1.3	12	NEAR COAST OF NORTHERN CHILE
1.5	7	CENTRAL MEXICO. Felt (III) at Mexico City.
1.1	250	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.4 (PMR), Ms 5.7 (PAS). Felt on Adak.
1.1	238	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.5 (PMR). Felt (IV) on Adak.
	33	CENTRAL ALASKA. <AGS-P>.
0.5	18	ANDREANOF ISLANDS, ALEUTIAN IS.
1.3	16	MINDANAO, PHILIPPINE ISLANDS
1.2	12	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	9	CHILE-ARGENTINA BORDER REGION
0.5	17	CENTRAL CALIFORNIA. ML 2.9 (BRK).
0.9	6	SANTA CRUZ ISLANDS REGION
	9	BAJA CALIFORNIA. <ECX-P>. ML 3.0 (PAS).
1.2	14	DODECANESE ISLANDS
	3	BAJA CALIFORNIA. <ECX-P>. MD 2.3 (ECX).
1.3	17	NEAR COAST OF CENTRAL CHILE
	4	BAJA CALIFORNIA. <ECX-P>. MD 2.4 (ECX).
	37	CENTRAL ALASKA. <AGS-P>.
	4	BAJA CALIFORNIA. <ECX-P>. MD 2.4 (ECX).
0.9	112	ANDREANOF ISLANDS, ALEUTIAN IS.
1.4	10	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	13	MARIANA ISLANDS
1.4	31	OFF E. COAST OF N. ISLAND, N.Z.
0.4	13	ANDREANOF ISLANDS, ALEUTIAN IS.
0.1	6	SAN JUAN PROVINCE, ARGENTINA
1.2	16	CENTRAL CHILE
	4	NEW BRUNSWICK. <OTT-P>. mbLg 3.3 (OTT). Felt at Docktown.
0.8	88	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	7	TURKEY
1.0	25	ANDREANOF ISLANDS, ALEUTIAN IS.

	09	10 13 03.1%	46.670	N	1.443	E	10	G				
	09	10 17 30.2•	51.765	N	175.074	W	33	N	3.9			
	09	11 25 39.7?	51.64	N	175.85	W	33	N	4.5			
	09	12 48 52.8•	51.241	N	175.888	W	33	N	4.5			
	09	13 23 52.1•	51.179	N	176.168	W	33	N	4.8			
	09	13 31 32.7?	51.96	N	174.13	W	33	N	4.7			
	09	13 34 03.8•	52.110	N	174.716	W	33	N	4.2			
	09	13 54 44.3	51.428	N	176.180	W	33	N	5.1			
	09	14 39 13.1•	51.061	N	176.308	W	33	N	4.4			
	09	14 47 28.6?	59.31	N	6.88	E	10	G				
	09	15 25 52.5	51.102	N	176.262	W	33	N	4.8			
o	09	16 23 48.7	17.121	S	65.589	W	13		5.6	5.5		
	09	16 58 31.5•	51.478	N	173.954	W	33	N	4.9			
	09	17 58 17.2%	37.976	N	4.486	W	10	G				
	09	18 22 49.8?	54.32	N	165.37	W	101	?	4.6			
	09	18 43 33.9?	17.51	S	65.75	W	10	G				
o	09	19 04 28.4	51.460	N	174.243	W	33	N	5.8	5.6		
	09	19 24 42.1	51.449	N	174.071	W	33	N	5.3	5.8		
	09	19 45 05.1?	3.67	S	142.03	E	102	?	3.3			
	09	19 59 23.0	7.488	N	36.312	W	10	G	5.0			
	09	20 32 08.8•	51.035	N	176.236	W	33	N	5.0			
	09	20 42 37.2	51.226	N	176.271	W	33	N	5.2	4.3		
	09	21 40 36.0•	4.510	S	152.638	E	33	N	3.9			
	09	21 52 09.2	51.140	N	175.530	W	33	N	5.0	4.3		
	09	21 55 26.7	38.887	N	106.884	W	5	G				
	09	22 30 22.6&	31.461	N	115.619	W	8	G'	/	1		
	09	23 02 26.6	21.640	N	94.444	E	96	D	4.9			
	09	23 16 46.1&	32.410	N	118.220	W	6	G				
	09	23 33 15.9•	17.110	S	65.384	W	10	G				
	10	00 09 45.5•	9.965	N	125.597	E	33	N	5.3			
	10	00 48 09.4•	51.392	N	175.242	W	33	N	4.4			
	10	01 33 47.7•	51.464	N	174.357	W	33	N	4.8			
o	10	02 00 23.7	23.559	S	67.880	W	131		5.2			
	10	02 08 35.3?	19.06	S	178.10	W	516	•	4.4			
	10	02 34 25.5•	20.768	S	177.850	W	543	•	4.7			
	10	03 47 46.7?	17.47	S	65.72	W	10	G				
	10	04 00 33.4%	39.143	N	27.733	E	10	G				
	10	04 03 45.9?	50.99	N	176.45	W	33	N	4.8			
	10	04 09 53.8•	17.180	N	94.987	W	10	G	4.2			
	10	05 31 35.8•	17.389	S	65.781	W	10	G				
	10	07 26 56.3•	51.178	N	176.167	W	33	N	4.3			
	10	08 02 08.9?	17.39	S	65.69	W	10	G				
	10	08 49 11.3%	29.523	S	67.682	W	33	N				
	10	09 12 09.9	51.353	N	175.872	W	33	N	4.8			
o	10	09 13 29.3	51.902	N	175.084	W	33	N	5.8	4.9		
	10	09 29 34.7&	62.017	N	151.777	W	107					
	10	09 50 55.9•	16.434	N	98.773	E	10	G				
o	10	09 53 01.2	8.502	N	103.058	W	10	G	5.0	5.4		
	10	11 13 37.5•	51.192	N	174.689	W	33	N	4.7			
	10	11 15 48.2•	24.050	S	66.918	W	288	•	3.9			
o	10	12 02 01.5	37.075	S	94.885	W	10	G	5.5	4.9		
	10	12 47 59.8•	41.485	N	80.113	E	33	N				
	10	13 18 42.5	35.886	N	0.217	E	10	G				
	10	14 49 51.1•	51.749	N	173.480	W	33	N	4.5			
	10	15 01 49.4	51.456	N	175.862	W	33	N	4.9			
	10	15 57 43.4?	51.42	N	16.11	E	10					
	10	16 24 45.3?	45.36	N	146.97	E	33	N	4.8			
	10	18 00 43.4•	51.104	N	176.623	W	33	N	4.8			
	10	18 03 42.2•	17.189	S	65.209	W	10	G				
	10	18 43 14.0•	8.466	N	102.815	W	10	G	4.6	4.9		
	10	19 49 07.5?	51.85	N	174.06	W	33	N	4.8			
	10	20 00 24.9•	19.161	S	70.279	W	103	•	4.7			
	10	20 32 03.0?	52.20	N	175.03	W	33	N	4.0			
	10	21 36 11.4	28.530	N	140.747	E	33	N	5.1			
	10	21 37 07.5	51.570	N	174.695	W	33	N	4.7			
	10	21 38 03.2	47.065	N	18.088	E	12					
	10	22 30 13.4&	37.370	N	122.220	W	8					
	10	22 50 30.3?	51.60	N	174.82	W	33	N	4.1			
	10	23 56 44.5•	51.692	N	173.480	W	33	N	4.4			
	11	00 18 57.6?	51.70	N	16.50	E	10	G				
	11	00 24 29.8•	37.912	N	21.233	E	10	G				
f	11	01 24 25.7	26.743	N	125.205	E	194	G	5.9			
	11	01 58 38.3	38.031	N	4.395	W	10	G				
	11	02 17 53.6	39.423	N	27.387	E	10	G				
	11	02 48 57.5	39.444	N	28.362	E	10	G				
	11	02 49 23.2?	51.35	N	175.38	W	33	N	4.6			
	11	02 52 17.7	3.475	S	147.106	E	10	G	5.2			
	11	03 14 54.6?	51.71	N	175.00	W	33	N	4.4			
	11	03 15 49.6	39.494	N	28.332	E	10	G				
	11	04 04 50.7&	31.473	N	115.600	W	8	G				
	11	04 09 08.-	55.283	N	157.747	W	33	N	4.7			
	11	04 10 50.0•	50.904	N	178.449	W	33	N	4.8			
	11	04 42 49.0•	11.973	N	91.262	E	33	N	4.3			
	11	06 15 13.8&	60.228	N	151.681	W	49		3.9			
	11	07 29 13.7	37.038	N	45.283	E	33	N	4.6			

1.2	8	FRANCE. ML 2.5 (LDG).
0.8	9	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	14	ANDREANOF ISLANDS, ALEUTIAN IS.
1.4	8	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	14	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	13	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	14	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	39	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	15	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	6	SOUTHERN NORWAY
1.1	30	ANDREANOF ISLANDS, ALEUTIAN IS.
1.2	253	BOLIVIA. Ms 5.4 (BRK). Felt (IV) at Cochabamba and (III) at La Paz, Sucre and Trinidad.
0.8	13	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	10	SPAIN. MG 3.0 (MDD). Felt (III) at Montoro.
1.0	14	FOX ISLANDS, ALEUTIAN ISLANDS. Felt at Cold Bay and Sand Point.
0.7	5	BOLIVIA
1.0	297	ANDREANOF ISLANDS, ALEUTIAN IS. Ms 5.5 (PAS).
1.0	166	ANDREANOF ISLANDS, ALEUTIAN IS.
0.3	6	NEAR N COAST OF PAPUA NEW GUINEA
0.9	85	CENTRAL MID-ATLANTIC RIDGE
1.2	12	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	90	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	6	NEW BRITAIN REGION
1.0	120	ANDREANOF ISLANDS, ALEUTIAN IS.
0.6	12	COLORADO. ML 2.7 (NEIS). Felt (II) at Snowmass Village. Also felt in the Aspen area.
	4	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
0.8	134	BURMA
	11	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
1.5	6	BOLIVIA
1.2	24	MINDANAO, PHILIPPINE ISLANDS
1.3	14	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	50	ANDREANOF ISLANDS, ALEUTIAN IS.
1.2	86	CHILE-ARGENTINA BORDER REGION
0.8	18	FIJI ISLANDS REGION
0.9	19	FIJI ISLANDS REGION
1.4	6	BOLIVIA
0.7	6	TURKEY
1.5	8	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	7	CHIAPAS, MEXICO
1.0	6	BOLIVIA
0.9	8	ANDREANOF ISLANDS, ALEUTIAN IS.
1.3	5	BOLIVIA
0.5	5	LA RIOJA PROVINCE, ARGENTINA
0.9	49	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
0.9	136	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
	27	CENTRAL ALASKA. <AGS-P>.
0.4	6	SOUTH BURMA
1.4	69	OFF COAST OF MEXICO. Ms 5.4 (BRK), 5.4 (PAS).
1.1	36	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	9	SALTA PROVINCE, ARGENTINA
0.9	119	WEST CHILE RISE
1.5	8	SOUTHERN XINJIANG, CHINA
0.8	14	ALGERIA. MG 3.3 (MDD).
0.7	13	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	91	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
0.6	11	POLAND. ML 3.0 (KBA).
1.1	9	KURIL ISLANDS
1.0	24	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
1.4	7	BOLIVIA
1.5	21	OFF COAST OF MEXICO
1.0	10	ANDREANOF ISLANDS, ALEUTIAN IS.
1.3	16	NEAR COAST OF NORTHERN CHILE
1.5	6	ANDREANOF ISLANDS, ALEUTIAN IS.
1.2	38	BONIN ISLANDS REGION
1.2	52	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	12	HUNGARY. ML 3.2 (VKA), 3.2 (KBA).
	9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Felt at Redwood City.
1.1	8	ANDREANOF ISLANDS, ALEUTIAN IS.
0.4	10	ANDREANOF ISLANDS, ALEUTIAN IS.
0.5	9	POLAND. ML 3.4 (KBA), ML 3.3 (VKA).
0.4	5	SOUTHERN GREECE. ML 3.3 (ATH).
1.0	443	NORTHEAST OF TAIWAN. mb 6.1 (BRK), 5.7 (PAS). Felt on northeastern Taiwan. Felt (III JMA) on Ishigaki-shima, Miyako-jima and Okinawa, (II JMA) on Kume-shima, (I JMA) on Amami-o-shima and Minami-daito-jima, Ryukyu Islands. Depth from broadband displacement seismograms
0.7	9	SPAIN. MG 3.1 (MDD). Felt (III) at Montoro.
0.7	19	TURKEY
0.7	20	TURKEY
0.8	6	ANDREANOF ISLANDS, ALEUTIAN IS.
1.5	56	BISMARCK SEA
1.0	6	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	16	TURKEY
	9	BAJA CALIFORNIA. <ECX-P>. ML 3.2 (PAS).
0.9	64	ALASKA PENINSULA. ML 4.5 (PMR).
0.8	31	ANDREANOF ISLANDS, ALEUTIAN IS.
1.7	12	ANDAMAN ISLANDS REGION
	31	KENAI PENINSULA, ALASKA. <AGS-P>.
1.2	22	NORTHWESTERN IRAN. Felt in the Orumiyeh and Oshnoviyeh

	11	07	50	06.7	37.061	N	45.255	E	33	N	4.5	
	11	08	47	28.6	36.112	N	140.196	E	87		4.2	
	11	09	00	53.1•	22.383	S	69.149	W	126	•	4.0	
	11	10	04	56.4	44.648	N	111.994	W	5	G		
o	11	10	46	22.7	51.165	N	176.094	W	33	N	5.0	4.7
	11	11	01	21.9•	36.600	S	71.664	W	76	•	4.4	
	11	11	52	51.1%	40.414	N	29.075	E	10	G		
	11	13	40	37.1	51.519	N	173.671	W	33	N	5.3	4.8
	11	13	43	51.4	51.511	N	173.694	W	33	N	5.3	4.6
	11	14	13	21.3	39.286	N	29.166	E	10	G		
	11	14	29	03.2	42.307	N	19.906	E	10	G		
	11	14	35	56.8?	51.71	N	176.43	W	33	N	4.5	
	11	15	19	28.6	6.744	N	126.846	E	89	•	5.0	
	11	15	35	33.5?	40.59	N	21.40	E	10	G		
	11	17	31	57.0&	32.100	N	115.630	W	6	G		
	11	17	51	33.0•	35.197	N	78.712	E	33	N	4.4	
	11	18	51	54.4	42.831	N	6.888	W	5	G		
	11	19	03	51.9&	63.885	N	150.798	W	111			
	11	19	32	20.9	51.267	N	176.567	W	33	N	4.9	
o	11	19	40	31.0	51.544	N	173.736	W	33	N	5.6	5.2
	11	20	02	23.1•	51.545	N	174.225	W	33	N	4.8	
	11	20	10	18.8	51.579	N	173.464	W	33	N	4.8	
	11	22	37	44.1&	59.892	N	153.152	W	106			
o	11	22	48	45.6	51.526	N	174.670	W	33	N	5.5	5.2
	11	23	22	04.0•	51.560	N	173.416	W	33	N	4.5	
	12	00	22	33.9?	51.69	N	176.01	W	33	N	4.6	
	12	00	42	09.6•	5.860	S	104.422	E	67	?	4.6	
	12	01	25	52.5	14.726	N	147.669	E	43	•	5.1	
	12	01	59	37.1	50.038	N	8.531	E	24			
	12	02	19	39.9•	31.295	S	68.632	W	129	?		
	12	02	47	44.0•	6.054	S	151.377	E	33	N	4.1	
	12	03	26	02.0•	51.137	N	176.190	W	33	N	4.2	
o	12	03	47	37.9	51.418	N	174.671	W	33	N	5.3	4.8
	12	04	07	24.8•	51.996	N	174.701	W	33	N	4.9	
	12	04	18	02.4•	27.700	N	88.727	W	10	G	3.6	
	12	04	39	40.7	0.482	N	127.227	E	118	•	5.1	
	12	05	02	57.7%	39.472	N	28.347	E	10	G		
	12	05	14	05.9	51.121	N	176.167	W	33	N	4.4	
	12	05	30	15.0	44.273	N	10.877	E	10	G		
	12	05	45	40.3%	39.400	N	28.345	E	10	G		
	12	06	59	50.3&	57.601	N	145.890	W	15			
	12	07	02	29.6•	40.776	N	30.218	E	10	G		
	12	07	10	04.1%	45.704	N	27.178	E	33	N		
	12	08	10	15.1	51.142	N	176.037	W	33	N	4.8	
	12	08	51	04.6•	26.941	N	140.248	E	462	•	4.4	
	12	09	15	50.4?	17.25	N	62.54	W	10	G		
	12	09	17	09.1&	37.468	N	121.680	W	3			
	12	09	29	50.8	51.459	N	176.328	W	33	N	4.7	
	12	09	58	27.0	45.325	N	112.503	W	5	G		
	12	10	18	39.6%	44.271	N	7.703	E	10	G		
	12	10	35	00.4	6.969	S	112.019	E	33	N	5.1	
	12	10	48	34.8•	51.161	N	175.983	W	33	N	4.2	
	12	11	12	09.7	7.695	S	127.338	E	176	•	5.0	
	12	11	37	45.7	51.427	N	175.457	W	33	N	4.7	
	12	12	50	40.2?	31.56	S	69.57	W	140	?		
	12	13	03	48.4	44.557	N	9.717	E	10	G		
	12	13	55	47.2?	43.72	N	8.71	E	10	G		
	12	14	18	35.0?	51.15	N	176.08	W	33	N	3.8	
	12	14	40	11.9	4.721	S	139.992	E	33	N	4.9	
	12	15	36	15.0	20.477	N	144.932	E	122	•	4.5	
	12	15	39	40.9•	20.251	S	177.563	W	501	•	4.8	
	12	17	06	44.3•	51.314	N	174.794	W	33	N	4.7	
	12	18	58	43.0?	51.37	N	16.09	E	10	G		
	12	19	55	51.7	44.522	N	9.781	E	10	G		
	12	19	58	04.1?	43.98	N	8.02	E	10	G		
	12	20	16	45.8	52.700	N	172.432	E	33	N	4.9	5.1
	12	20	23	05.6	51.265	N	174.605	W	33	N	5.0	
	12	20	59	25.9•	11.083	N	126.279	E	33	N	4.5	
	12	21	58	31.5?	39.09	N	20.58	E	10	G		
	12	21	59	56.1	6.980	N	73.094	W	153		5.0	
	12	22	26	54.8	44.486	N	11.000	E	10	G		
	12	23	00	20.4&	36.785	N	121.380	W	10			
	12	23	08	39.4&	57.685	N	137.965	W	5			
	12	23	53	03.4%	19.679	N	99.262	W	10	G		
	13	00	14	30.6	5.146	S	152.264	E	65		5.0	
	13	00	19	44.8	36.585	N	4.455	W	96		4.3	
	13	00	26	10.3?	4.88	N	124.40	E	33	N		
	13	00	32	13.6•	26.472	S	114.893	W	10	G	5.1	5.0
	13	01	00	36.8	39.686	N	25.023	E	10	G		
	13	01	51	37.8&	59.282	N	153.776	W	116			
	13	02	04	47.2?	45.59	N	26.45	E	145	?		
	13	03	04	09.3	37.837	N	119.907	W	10	G		
	13	03	21	56.2•	37.810	N	23.186	E	10	G		
	13	03	33	37.0?	51.74	N	175.12	W	33	N	4.3	
	13	03	33	52.9%	29.076	S	67.258	W	166	?		
	13	04	03	29.6	27.079	N	129.057	E	51	•	4.8	

		areas.
1.2	15	NORTHWESTERN IRAN. Felt at Oshnoviyeh.
0.9	20	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
1.1	10	NORTHERN CHILE
0.7	8	HEBGEN LAKE REGION. ML 3.1 (NEIS), 3.1 (BUT).
1.0	132	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR). Felt (II) on Adak.
0.7	17	CENTRAL CHILE
0.5	8	TURKEY
1.0	184	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	127	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	12	TURKEY
1.4	13	YUGOSLAVIA. MD 2.7 (TTG).
0.8	8	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	44	MINDANAO, PHILIPPINE ISLANDS
0.9	6	GREECE
	10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
0.9	8	EASTERN KASHMIR
1.2	18	SPAIN. ML 3.4 (LDG).
	14	CENTRAL ALASKA. <AGS-P>.
0.9	35	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	292	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR), Ms 5.2 (BRK).
0.8	53	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	79	ANDREANOF ISLANDS, ALEUTIAN IS.
	19	SOUTHERN ALASKA. <AGS-P>.
1.1	235	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.7 (PMR), Ms 5.2 (BRK). Felt (IV) on Adak.
0.8	16	ANDREANOF ISLANDS, ALEUTIAN IS.
1.3	8	ANDREANOF ISLANDS, ALEUTIAN IS.
0.8	15	SOUTHERN SUMATERA
1.0	57	MARIANA ISLANDS REGION
1.1	25	GERMANY. ML 3.2 (LDG), 3.0 (BGG), 2.6 (BNS), 2.5 (KBA).
1.4	13	SAN JUAN PROVINCE, ARGENTINA
1.6	9	NEW BRITAIN REGION
1.1	16	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	146	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.4 (PMR).
0.9	10	ANDREANOF ISLANDS, ALEUTIAN IS.
0.6	9	GULF OF MEXICO
1.1	60	HALMAHERA
0.8	12	TURKEY
0.9	22	ANDREANOF ISLANDS, ALEUTIAN IS.
1.3	39	NORTHERN ITALY. ML 3.8 (LDG), 3.6 (KBA), 3.5 (TRI).
0.7	10	TURKEY
	41	GULF OF ALASKA. <AGS-P>.
0.9	12	TURKEY
1.0	5	ROMANIA
0.9	34	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
0.8	22	BONIN ISLANDS REGION
0.3	6	LEEWARD ISLANDS. ML 3.0 (FDF).
	18	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt at San Jose and Sunnyvale.
1.2	38	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
0.6	7	MONTANA. ML 3.2 (NEIS).
0.3	6	NORTHERN ITALY
1.2	33	JAVA
0.9	19	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
1.0	40	BANDA SEA
1.1	54	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
0.7	6	SAN JUAN PROVINCE, ARGENTINA
0.9	40	NORTHERN ITALY. ML 3.8 (KBA), 3.8 (TRI), 3.8 (LDG).
0.5	5	CORSICA. ML 2.9 (LDG), 2.5 (KBA).
1.3	10	ANDREANOF ISLANDS, ALEUTIAN IS.
1.5	45	WEST IRIAN
0.8	21	MARIANA ISLANDS
1.1	29	FIJI ISLANDS REGION
1.0	39	ANDREANOF ISLANDS, ALEUTIAN IS.
0.2	6	POLAND. ML 2.7 (KBA).
1.0	28	NORTHERN ITALY. ML 3.2 (LDG), 3.1 (TRI), 2.8 (KBA).
0.5	6	CORSICA. ML 3.1 (LDG).
0.9	106	NEAR ISLANDS, ALEUTIAN ISLANDS. Felt on Shemya.
1.0	97	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR).
0.6	10	PHILIPPINE ISLANDS REGION
1.3	5	GREECE-ALBANIA BORDER REGION
1.2	32	NORTHERN COLOMBIA
1.1	26	NORTHERN ITALY. ML 3.1 (LDG), 3.0 (KBA). MD 3.0 (TRI).
	19	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt in San Benito County.
	10	OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>.
0.7	5	CENTRAL MEXICO
1.0	32	NEW BRITAIN REGION
0.8	48	STRAIT OF GIBRALTAR. Felt (IV) in the Malaga-Cordoba-Granada area, Spain.
0.9	5	CELEBES SEA
1.0	21	EASTER ISLAND REGION
1.1	13	AEGEAN SEA. ML 3.3 (ATH).
	29	SOUTHERN ALASKA. <AGS-P>.
0.3	7	ROMANIA
0.7	10	CENTRAL CALIFORNIA. ML 2.7 (BRK).
1.0	5	SOUTHERN GREECE. ML 3.2 (ATH).
1.4	11	ANDREANOF ISLANDS, ALEUTIAN IS.
0.4	6	LA RIOJA PROVINCE, ARGENTINA
1.2	32	RYUKYU ISLANDS

	13	05 56 24.2•	51.498 N	174.716 W		33 N	4.7		1.0	41	ANDREANOF ISLANDS, ALEUTIAN IS.
o	13	08 44 02.1	41.431 N	43.737 E		10 G	5.7	5.4	1.1	262	TURKEY–USSR BORDER REGION. Two people killed and about 1,500 buildings destroyed in the Akhalkalaki area, USSR. Slight damage in the Susuz area, Turkey. Felt (VII) at Akhalkalaki and Bakuriani, (V) at Stepanavan and Tbilisi, (IV) at Abastumani, Leninakan and Gegechkori and (III) at Goris, USSR. Also felt at Cildir, Ardahan and Hanak, Turkey.
o	13	09 56 36.7	20.646 S	174.113 W		33 N	5.4	5.5	1.1	111	TONGA ISLANDS
	13	11 29 31.2&	35.250 N	117.330 W		6 G				14	CENTRAL CALIFORNIA. <PAS–P>. ML 3.5 (PAS).
	13	12 16 08.9?	36.74 N	19.85 E		10 G			1.4	5	MEDITERRANEAN SEA. ML 4.0 (ATH).
	13	12 20 09.8•	36.677 N	70.943 E		165 ?	4.6		1.0	11	HINDU KUSH REGION
	13	12 28 16.1?	37.58 N	19.87 E		10 G			1.4	9	IONIAN SEA
	13	14 10 59.9?	35.99 S	72.59 W		33 N			0.3	9	NEAR COAST OF CENTRAL CHILE
	13	14 14 56.0	51.551 N	173.512 W		33 N	4.8	4.3	1.1	98	ANDREANOF ISLANDS, ALEUTIAN IS.
	13	14 39 09.1?	40.86 S	76.38 W		33 N			0.4	9	OFF COAST OF SOUTHERN CHILE
o	13	14 51 10.1•	9.864 S	109.144 W		10 G	5.1	5.0	1.2	34	NORTHERN EASTER I. CORDILLERA
	13	16 00 34.7•	36.642 N	70.284 E		187 ?	4.5		0.7	12	HINDU KUSH REGION
	13	17 15 21.0	51.122 N	176.135 W		33 N	4.9	4.3	1.0	91	ANDREANOF ISLANDS, ALEUTIAN IS.
	13	18 38 43.1	39.166 N	2.734 W		10 G			1.2	17	SPAIN. MG 3.8 (MDD). Felt (III) in the Albacete area.
	13	20 24 20.2•	39.138 N	2.809 W		10 G			1.2	8	SPAIN. MG 3.3 (MDD).
	13	20 41 23.1•	10.922 N	126.252 E		33 N	4.9		1.0	10	PHILIPPINE ISLANDS REGION
	13	20 58 40.9•	34.132 S	71.084 W		33 N			1.0	14	NEAR COAST OF CENTRAL CHILE
o	13	22 00 08.7	32.636 N	141.426 E		40 D	5.4	5.6	1.3	231	SOUTH OF HONSHU, JAPAN
	13	23 10 55.9•	1.963 S	78.495 W		129 •	4.2		0.6	7	ECUADOR
	14	00 04 57.5?	2.33 S	139.29 E		33 N	3.9		1.3	11	NEAR N. COAST OF WEST IRIAN
	14	00 12 14.7	0.058 N	124.370 E		33 N	4.3		1.5	14	MINAHASSA PENINSULA
	14	00 30 09.6&	37.363 N	122.262 W		14				11	CENTRAL CALIFORNIA. <BRK> ML 3.4 (BRK). Felt in the Palo Alto–Redwood City area.
	14	01 30 55.4	38.248 N	23.900 E		5	3.8		1.0	47	GREECE. ML 3.7 (ATH). Felt in the Athens area.
	14	01 34 12.5?	16.96 N	60.87 W		33 N			0.7	8	LEEWARD ISLANDS. ML 3.0 (FDF).
	14	01 56 18.2	51.535 N	173.449 W		33 N	4.8		0.9	103	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR).
o	14	01 58 30.9	51.531 N	173.492 W		33 N	5.5	4.7	0.9	215	ANDREANOF ISLANDS, ALEUTIAN IS.
	14	02 14 11.4	31.708 S	72.274 W		33 N			1.0	22	OFF COAST OF CENTRAL CHILE
	14	02 50 56.5•	77.877 N	8 613 E		10 G	4.4		1.5	20	SVALBARD REGION
	14	03 01 25.6	39.455 N	28.428 E		11	4.3		1.2	76	TURKEY
o	14	03 04 06.5	1.486 N	127.037 E		78	5.6		1.1	139	HALMAHERA
	14	03 28 40.5	51.534 N	175.719 W		33 N	4.8		1.0	44	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
	14	03 54 25.0	51.548 N	173.406 W		33 N	5.0		0.8	113	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.1 (PMR).
o	14	04 02 31.6	51.485 N	178.474 W		33 N	5.4	4.6	1.0	228	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
	14	04 38 16.9%	39.128 N	28.261 E		10 G			0.7	10	TURKEY
	14	04 30 25.3	17.255 S	65.485 W		48 •	4.9	4.3	1.4	66	BOLIVIA
	14	04 32 31.7	32.186 N	141.732 E		36 •	4.9		1.1	36	SOUTH OF HONSHU, JAPAN
	14	04 36 19.8?	23.63 S	179.81 E		550 G	5.2		1.0	26	SOUTH OF FIJI ISLANDS
	14	04 49 10.6•	51.389 N	173.374 W		33 N	4.8		1.1	39	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR).
	14	05 07 44.7&	31.462 N	115.617 W		8 G				3	BAJA CALIFORNIA. <ECX–P>. MD 2.6 (ECX).
	14	05 35 13.4•	27.623 N	140.366 E		252 •	4.6		1.1	23	BONIN ISLANDS REGION
	14	06 01 23.0?	19.50 S	178.09 W		300 G	4.9		1.4	23	FIJI ISLANDS REGION
	14	06 41 13.5?	36.25 N	141.51 E		33 N			0.2	5	NEAR EAST COAST OF HONSHU, JAPAN
	14	06 41 51.7•	63.301 N	150.726 W		33 N			1.1	5	CENTRAL ALASKA. ML 2.5 (PMR).
	14	07 59 49.2	51.545 N	173.488 W		33 N	4.8	4.1	0.8	102	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR).
	14	09 49 00.7•	56.127 N	156.211 W		99 •	4.5		1.1	17	ALASKA PENINSULA
	14	10 02 57.9•	50.620 N	5.353 E		10 G			0.2	5	BELGIUM
	14	10 54 46.7•	20.152 S	69.789 W		33 N			0.9	7	NORTHERN CHILE
	14	11 03 17.5?	59.30 N	6.86 E		15 G			1.2	6	SOUTHERN NORWAY. MD 2.1 (BER).
o	14	11 10 21.5	23.466 S	115.051 W		10 G	5.2	4.4	1.1	22	EASTER ISLAND CORDILLERA
o	14	12 24 23.1	20.642 S	178.788 W		621	5.1		0.8	53	FIJI ISLANDS REGION
	14	13 28 32.8•	51.149 N	176.252 W		33 N	4.9		0.7	12	ANDREANOF ISLANDS, ALEUTIAN IS.
o	14	13 56 09.9	14.883 S	167.252 E		141	5.2		1.2	92	VANUATU ISLANDS
	14	14 58 25.9•	51.565 N	174.250 W		33 N	4.7		0.9	28	ANDREANOF ISLANDS, ALEUTIAN IS.
	14	15 00 08.7%	39.388 N	28.368 E		10 G			1.4	8	TURKEY
	14	15 02 57.4	37.429 N	110.561 W		5 G			0.9	26	UTAH. ML 3.2 (NEIS).
	14	15 54 23.8	32.623 S	71.919 W		33 N	5.0		1.1	35	NEAR COAST OF CENTRAL CHILE. Felt (IV) at La Ligua, San Felipe, Los Andes, Vina del Mar and Valparaiso; (III) at Quillota and Santo Domingo; (II) at Santiago.
	14	17 11 48.8	37.562 N	140.548 E		100	4.8		1.1	67	HONSHU, JAPAN. Felt (II JMA) at Mito and Utsunomiya and (I JMA) in the Onahama–Morioka area.
	14	17 37 09.1•	31.959 S	71.352 W		33 N			0.7	15	NEAR COAST OF CENTRAL CHILE
	14	20 17 58.8&	61.134 N	152.027 W		104				28	SOUTHERN ALASKA. <AGS–P>.
	14	20 19 13.0•	51.358 N	175.767 W		33 N	4.7		0.9	18	ANDREANOF ISLANDS, ALEUTIAN IS.
	14	21 21 45.0	36.985 N	141.844 E		33 N	5.2		0.8	20	NEAR EAST COAST OF HONSHU, JAPAN
	14	21 52 12.3•	45.798 N	7.802 E		10 G			1.5	5	NORTHERN ITALY
	14	21 56 53.8	8.765 N	82.942 W		33 N			0.2	8	PANAMA–COSTA RICA BORDER REGION. MD 4.0 (HDC).
	14	22 26 51.8%	32.971 S	67.531 W		161 ?			0.3	6	MENDOZA PROVINCE, ARGENTINA
	14	22 31 24.9•	41.527 N	43.643 E		33 N			0.3	6	TURKEY–USSR BORDER REGION
o	14	22 53 58.2	14.787 S	175.432 W		33 N	5.2	5.1	1.2	73	SAMOA ISLANDS REGION
	14	22 58 53.3	51.340 N	175.812 W		33 N	4.8		1.1	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	14	23 04 04.3•	39.850 N	1.326 W		10 G			1.5	8	SPAIN. MG 2.8 (MDD).
	14	23 25 33.0%	45.183 N	27.827 E		10 G			1.6	5	ROMANIA
	14	23 55 35.8	39.924 N	1.402 W		11			1.3	15	SPAIN. ML 3.6 (LDG). Felt (V) at Londete and Torrijos, (IV) at Talayuelas and (III) at Santa Cruz de Moya.
	15	01 11 38.6•	6.486 N	123.947 E		534 •	4.4		0.6	17	MINDANAO, PHILIPPINE ISLANDS
	15	02 18 02.9•	21.272 S	68.222 W		217 •			0.9	7	CHILE–BOLIVIA BORDER REGION
	15	03 01 29.5•	2.639 S	138.458 E		33 N	4.3		1.0	12	WEST IRIAN
	15	03 30 09.8	51.487 N	175.514 W		33 N	4.9		0.9	62	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR).
o	15	06 38 37.9	52.294 N	174.726 W		33 N	5.7	6.4	1.2	285	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.5 (PMR), Ms 6.4 (BRK), 6.2 (PAS). Slight damage (VI) on Atka. Felt strongly on Adak.
	15	06 39 19.8•	33.571 S	68.881 W		187	4.3		1.1	23	MENDOZA PROVINCE, ARGENTINA
	15	06 41 13.0•	36.382 N	141.558 E		33 N	4.9		1.5	16	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Choshi.
	15	06 42 31.8•	51.369 N	174.714 W		33 N	5.1		1.1	33	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
	15	07 01 25.4•	52.186 N	174.581 W		33 N	4.7		1.2	30	ANDREANOF ISLANDS, ALEUTIAN IS.

	15	07 06 15.8•	52.045	N	174.671	W	33	N	4.4	1.2	14	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	07 08 04.3•	51.873	N	174.383	W	33	N	4.3	1.2	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	07 10 28.6?	52.33	N	174.83	W	33	N	3.8	1.4	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	07 11 07.6	52.197	N	174.695	W	33	N	4.8	1.3	35	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	07 16 39.9%	42.336	N	19.954	E	0	G		0.6	6	YUGOSLAVIA. MD 2.6 (TTG).
	15	07 23 40.4?	36.31	N	141.48	E	33	N		1.1	7	NEAR EAST COAST OF HONSHU, JAPAN
	15	08 12 15.0•	52.049	N	174.778	W	33	N	4.0	0.8	9	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	08 13 18.3•	52.152	N	174.473	W	33	N	4.2	1.0	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	08 18 11.1•	52.247	N	174.517	W	33	N	4.1	1.0	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	08 18 47.9	52.317	N	174.526	W	33	N	5.1 5.3	1.1	118	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR).
	15	08 26 59.9?	6.20	S	146.91	E	55	•		1.2	7	EAST PAPUA NEW GUINEA REGION
	15	08 32 02.1&	37.475	N	121.695	W	7				18	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt at Fremont and San Jose.
	15	09 10 20.9	42.359	N	19.990	E	10	G		0.4	8	YUGOSLAVIA. MD 2.5 (TTG).
o	15	09 34 05.7	52.217	N	174.527	W	33	N	5.2 5.3	1.1	128	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR), Ms 5.3 (BRK).
	15	10 42 25.9	2.243	N	126.649	E	58	•	5.2 4.4	1.3	62	MOLUCCA PASSAGE
	15	10 53 12.6•	18.232	N	100.988	W	33	N	4.9	0.8	39	GUERRERO, MEXICO
	15	12 05 39.5	30.656	S	117.280	E	10	G		1.4	8	WESTERN AUSTRALIA
	15	12 41 25.6?	42.91	N	1.65	E	10	G		1.6	8	PYRENEES. ML 2.9 (LDG).
	15	12 47 13.7?	52.07	N	174.46	W	33	N	3.8	0.8	5	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	14 19 43.3&	63.283	N	150.326	W	112				40	CENTRAL ALASKA. <AGS-P>.
o	15	14 38 09.2	29.627	N	69.363	E	18		5.2	1.0	149	PAKISTAN. Extensive damage to houses in the Barkham, Watakari and Hamtarat areas.
	15	15 16 13.4	48.089	N	6.680	E	16	•		1.1	14	FRANCE. ML 3.1 (LDG).
	15	15 25 16.2?	15.72	N	94.47	W	33	N	4.3	1.2	6	NEAR COAST OF OAXACA, MEXICO
	15	16 09 47.7?	51.26	N	175.13	W	33	N	4.0	1.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	16 37 16.1	41.986	N	23.130	E	10	G		1.5	17	GREECE-BULGARIA BORDER REGION. MG 3.3 (TIR).
	15	16 45 22.3	41.999	N	23.164	E	10	G	3.9	1.4	68	GREECE-BULGARIA BORDER REGION. ML 4.4 (ATH), 4.0 (TTG). Felt (VI) at Blagoevgrad, (V) at Delcevo and (IV) at Berovo, Pehcevo, Krivo Polenko, Vranje and Pirot, Bulgaria. Also felt in the Thessaloniki area, Greece.
	15	17 07 59.1?	17.51	S	65.74	W	34	?		1.5	7	BOLIVIA
	15	18 00 24.2•	37.843	N	28.046	E	10	G	4.2	1.2	17	IONIAN SEA. 3.8 ML (ATH).
	15	18 13 56.1	40.718	N	27.572	E	10	G	4.6	0.7	10	TURKEY
	15	19 10 43.2	17.146	S	64.542	W	570		4.2	0.9	43	BOLIVIA
	15	19 43 20.9	40.686	N	27.504	E	12			0.9	20	TURKEY
	15	19 50 36.5%	40.708	N	27.579	E	10	G		0.8	9	TURKEY
	15	23 21 18.3	54.850	N	162.448	W	33	N	4.5	1.2	38	ALASKA PENINSULA. Felt at Cold Bay, False Pass and Sand Point.
	15	23 38 40.7•	48.450	N	155.776	E	33	N	4.6	1.1	34	KURIL ISLANDS
	16	00 15 37.3•	6.653	N	72.893	W	177	•	4.5	0.7	10	NORTHERN COLOMBIA
	16	00 27 40.7•	39.341	S	175.154	E	109	•	4.9	1.1	11	NORTH ISLAND, NEW ZEALAND. Felt at Raetihi, New Plymouth and Wellington.
	16	01 15 54.1&	31.845	N	116.047	W	8	G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.4 (ECX).
	16	04 44 40.9?	44.47	N	14.50	E	10	G		0.7	6	ADRIATIC SEA. ML 3.8 (XBA).
	16	05 40 10.2?	2.22	S	76.59	W	212	?	4.2	1.0	9	PERU-ECUADOR BORDER REGION
	16	06 02 07.1	47.307	N	154.010	E	33	N	4.9	1.0	48	KURIL ISLANDS
	16	06 03 57.5%	40.156	N	29.592	E	10	G		0.7	6	TURKEY
	16	07 10 11.1?	51.52	N	175.14	W	33	N	4.0	1.0	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	16	07 42 14.5&	62.537	N	151.287	W	93				25	CENTRAL ALASKA. <AGS-P>.
	16	08 16 52.9	28.105	N	140.639	E	33	N	4.8	1.4	32	BONIN ISLANDS REGION
	16	08 17 59.1%	11.850	N	43.324	E	10	G		0.7	7	ETHIOPIA. MG 3.9 (ARO). Felt in Djibouti.
	16	08 24 28.1	39.439	N	28.401	E	10	G		1.0	15	TURKEY
	16	09 48 59.0	36.302	N	71.185	E	102	•	4.3	1.0	23	AFGHANISTAN-USSR BORDER REGION
	16	09 56 26.4	13.987	N	144.776	E	150		5.1	1.1	62	MARIANA ISLANDS. Felt (IV) on Guam.
	16	10 49 37.3•	6.598	S	130.303	E	138	?	4.4	0.9	11	BANDA SEA
	16	11 29 43.7?	14.28	S	14.40	W	10	G	4.4	1.3	6	SOUTH ATLANTIC RIDGE
	16	12 14 36.1%	40.702	N	29.849	E	10	G		0.5	6	TURKEY
	16	12 20 56.0?	51.28	N	175.29	W	33	N	4.3	1.2	5	ANDREANOF ISLANDS, ALEUTIAN IS.
	16	12 49 02.1%	16.997	N	61.207	W	28			0.3	9	LEEWARD ISLANDS. ML 3.5 (FDF).
	16	12 55 25.3	50.235	N	12.429	E	10	G		0.2	6	GERMANY
	16	12 57 31.3%	15.948	N	60.992	W	33	N		0.4	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	16	15 24 10.1?	31.34	S	68.43	W	32			1.2	11	SAN JUAN PROVINCE, ARGENTINA
	16	15 47 11.1	13.108	N	143.227	E	217		4.6	0.8	29	SOUTH OF MARIANA ISLANDS
	16	15 59 50.2	51.833	N	175.249	W	33	N	5.0 4.3	0.8	131	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
o	16	16 51 12.3	47.204	N	154.109	E	25	D	5.8 5.5	0.9	275	KURIL ISLANDS. Ms 5.3 (BRK).
	16	16 57 39.4	47.158	N	154.083	E	33	N	5.0	0.7	55	KURIL ISLANDS
	16	17 21 29.8&	40.352	N	125.215	W	5	G			18	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	16	17 30 46.1?	61.33	N	125.13	W	10	G		0.4	5	NORTHWEST TERRITORIES, CANADA
	16	17 31 29.9•	51.504	N	175.150	W	33	N	4.6	1.2	24	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
	16	17 57 45.2	47.242	N	154.174	E	33	N	4.8	0.7	35	KURIL ISLANDS
	16	20 47 28.6•	25.666	S	129.276	E	10	G		1.0	5	NORTHERN TERRITORY, AUSTRALIA
	16	22 12 24.1	51.669	N	175.191	W	33	N	4.8	0.8	66	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
	16	22 40 58.4?	33.58	S	70.82	W	33	N		1.8	6	CHILE-ARGENTINA BORDER REGION
	17	01 03 56.0%	39.399	N	28.364	E	10	G		0.2	6	TURKEY
	17	01 15 59.9%	39.423	N	28.388	E	10	G		1.0	11	TURKEY
	17	01 43 12.2•	5.937	S	130.358	E	245	?	5.0	0.2	6	BANDA SEA
	17	02 33 40.5%	39.421	N	28.402	E	10	G		0.4	10	TURKEY
	17	02 57 49.9%	39.434	N	28.340	E	10	G		0.5	7	TURKEY
	17	03 24 29.5&	58.889	N	152.952	W	75		4.7		44	KODIAK ISLAND REGION. <AGS-P>.
	17	03 24 31.0	31.925	N	50.864	E	78	•	4.7	1.4	34	IRAN
	17	03 30 43.5•	43.816	N	17.071	E	10	G		1.3	8	YUGOSLAVIA. MG 2.7 (BLY).
	17	03 49 40.0	21.011	N	45.753	W	10	G	4.9 4.6	1.1	96	NORTH ATLANTIC RIDGE
	17	05 01 38.2•	2.183	N	79.745	W	10	G	4.6	1.2	12	SOUTH OF PANAMA
	17	06 31 14.2&	62.038	N	149.730	W	51				41	CENTRAL ALASKA. <AGS-P>. Felt at Anchorage.
	17	06 55 46.0?	33.72	S	72.18	W	33	N		0.5	10	OFF COAST OF CENTRAL CHILE
	17	07 22 27.7•	6.639	S	130.078	E	152	?	4.3	1.3	10	BANDA SEA
	17	08 00 10.8	51.053	N	176.079	W	33	N	4.7	0.9	77	ANDREANOF ISLANDS, ALEUTIAN IS.
	17	08 26 50.0?	51.41	N	175.74	W	33	N	3.8	0.8	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	17	09 51 42.2%	15.729	N	60.634	W	33	N		0.2	9	LEEWARD ISLANDS. ML 2.9 (FDF).
	17	11 48 31.2	46.297	N	2.124	E	10	G		0.7	9	FRANCE. ML 2.1 (LDG).
	17	12 41 29.4•	32.895	S	117.522	E	10	G	3.6	1.4	10	WESTERN AUSTRALIA

	17	13 11 13.8•	51.047	N	175.248	W	33	N	4.5		1.0	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	17	13 16 39.5	39.029	N	26.242	E	10				1.4	20	TURKEY. ML 3.5 (ATH).
	17	13 18 59.6	27.568	N	139.875	E	480		4.7		0.7	80	BONIN ISLANDS REGION
	17	13 55 34.7%	39.484	N	28.398	E	10	G			0.4	6	TURKEY
	17	14 23 01.9%	41.061	N	28.563	E	10	G			0.3	6	TURKEY
	17	14 42 32.3•	28.386	N	142.481	E	33	N	4.4		0.9	12	BONIN ISLANDS REGION
	17	15 30 34.6%	39.389	N	28.[illegible]	E	10	G			0.5	9	TURKEY
	17	15 45 21.0	37.747	N	20.[illegible]	E	21		4.2		1.2	23	IONIAN SEA. ML 3.9 (ATH).
	17	16 28 16.3%	40.704	N	27.55[illegible]	E	10	G			1.2	7	TURKEY
f	17	16 20 22.2	52.327	N	174.584	W	26	G	5.8 6.6		1.0	210	ANDREANOF ISLANDS, ALEUTIAN IS. Ms 6.5 (BRK), 6.5 (PAS). Slight damage (VI) on Atka. Felt strongly on Adak. Depth from broadband displacement seismograms.
	17	16 31 58.1	52.229	N	174.522	W	33	N	4.9		0.9	88	ANDREANOF ISLANDS, ALEUTIAN IS.
	17	19 27 15.4•	51.309	N	15.535	E	10	G			0.6	9	POLAND. ML 3.1 (KBA), 3.4 (VKA).
	17	22 16 13.6	36.561	N	71.392	E	33	N	4.5		0.8	11	AFGHANISTAN-USSR BORDER REGION
	17	22 16 28.1	51.280	N	176.044	W	33	N	4.6		1.0	47	ANDREANOF ISLANDS, ALEUTIAN IS.
	17	22 30 47.9%	39.356	N	28.331	E	10	G			0.5	5	TURKEY
	17	22 34 15.0•	6.839	N	73.137	W	165	•	4.8		1.2	13	NORTHERN COLOMBIA
	18	00 01 19.4	9.282	N	58.062	E	10	G	5.1 4.3		1.2	63	CARLSBERG RIDGE
	18	00 28 01.7%	39.406	N	28.329	E	10	G			0.6	9	TURKEY
	18	00 40 06.5	33.703	S	68.670	W	33	N			0.8	12	MENDOZA PROVINCE, ARGENTINA
	18	00 59 23.2%	39.414	N	28.372	E	10	G			0.6	10	TURKEY
	18	01 04 28.8%	39.333	N	28.317	E	10	G			0.8	7	TURKEY
	18	01 59 17.6	44.593	N	9.754	E	10	G			0.8	19	NORTHERN ITALY. ML 3.2 (LDG), 3.0 (KBA).
	18	02 05 27.6?	16.93	N	62.16	W	10	G			0.7	5	LEEWARD ISLANDS
	18	02 11 18.1%	39.420	N	28.391	E	10	G			0.5	10	TURKEY
	18	02 19 57.1•	3.645	N	123.185	E	519	•			1.0	13	CELEBES SEA
	18	03 06 11.2	44.534	N	9.758	E	10	G			1.3	25	NORTHERN ITALY. ML 3.4 (LDG), 3.3 (KBA).
	18	03 30 01.4&	59.252	N	139.137	W	18					16	SOUTHEASTERN ALASKA. <AGS-P>.
	18	04 09 55.9	62.411	N	124.091	W	10	G	4.3		1.4	26	NORTHWEST TERRITORIES, CANADA
	18	05 24 20.1	44.293	N	10.634	E	10	G			0.9	20	NORTHERN ITALY. ML 3.3 (LDG), 3.3 (KBA).
	18	05 49 51.3?	18.13	S	168.25	E	33	N	4.5		1.3	24	VANUATU ISLANDS
	18	06 15 00.9•	51.398	N	175.058	W	33	N	4.4		1.0	13	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.9 (PMR).
	18	08 01 14.5•	51.394	N	176.826	W	33	N	4.5		1.2	21	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
	18	08 36 27.7?	30.41	S	71.95	W	33	N			1.4	12	NEAR COAST OF CENTRAL CHILE
	18	09 45 00.3?	39.91	N	30.10	E	10	G			0.5	7	TURKEY
	18	10 10 29.0%	39.370	N	28.434	E	10	G			1.2	10	TURKEY
	18	10 11 02.4•	21.163	S	68.904	W	160	•			1.3	11	CHILE-BOLIVIA BORDER REGION
	18	10 58 11.2	35.913	N	70.580	E	94	•	4.8		1.2	22	HINDU KUSH REGION
	18	12 00 11.8	40.445	N	22.602	E	9				1.4	19	GREECE. MG 3.0 (TIR).
	18	12 19 56.0?	28.14	N	140.81	E	33	N			0.8	6	BONIN ISLANDS REGION
	18	12 45 49.3	39.437	N	28.336	E	10	G			1.0	26	TURKEY
	18	12 50 51.9%	39.369	N	28.373	E	10	G			1.3	9	TURKEY
	18	12 58 11.6•	32.479	S	72.058	W	33	N			1.3	12	OFF COAST OF CENTRAL CHILE
	18	13 19 01.6	39.474	N	28.346	E	10	G			0.7	13	TURKEY
	18	13 48 48.2	39.425	N	28.378	E	10	G			0.3	10	TURKEY
	18	14 22 36.3	51.418	N	174.692	W	33	N	5.1 4.4		0.9	129	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	18	14 23 22.4	39.251	N	28.519	E	10	G			1.4	19	TURKEY
	18	14 27 37.5%	39.437	N	28.344	E	10	G			0.5	7	TURKEY
	18	15 10 55.2•	7.639	N	36.578	W	10	G	4.6		0.9	19	CENTRAL MID-ATLANTIC RIDGE
	18	15 26 41.0	51.774	N	175.228	W	33	N	4.9 4.5		0.8	117	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
	18	15 33 24.5%	39.548	N	28.403	E	10	G			0.7	7	TURKEY
	18	15 44 41.4•	3.813	S	139.592	E	33	N	4.5		1.0	7	WEST IRIAN
	18	16 29 57.9•	40.767	N	23.888	E	10	G			1.1	8	GREECE
	18	16 34 49.3&	59.577	N	152.957	W	88					21	SOUTHERN ALASKA. <AGS-P>.
	18	17 09 10.9%	39.402	N	27.915	E	10	G			1.2	7	TURKEY
	18	17 30 42.4?	59.87	N	7.89	E	15	G			1.1	5	SOUTHERN NORWAY. MD 1.8 (BER).
	18	18 39 49.3	23.325	S	179.998	E	608	?	4.7		0.8	43	SOUTH OF FIJI ISLANDS
	18	18 44 57.3%	40.424	N	29.334	E	10	G			1.1	7	TURKEY
	18	19 14 00.2	51.616	N	174.735	W	33	N	4.7		1.0	59	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
	18	19 24 16.2•	16.206	N	61.252	W	30	•			0.2	7	LEEWARD ISLANDS. ML 2.4 (FDF).
	18	19 33 32.6	42.896	N	18.794	E	10	G			1.0	8	YUGOSLAVIA. ML 2.6 (TTG).
	18	19 33 33.5	24.917	N	123.052	E	33	N	4.8		1.3	28	SOUTHWESTERN RYUKYU ISLANDS
	18	20 13 22.9•	6.441	S	129.908	E	33	N	4.6		1.5	10	BANDA SEA
	18	20 24 26.7?	51.35	N	175.90	W	33	N	4.0		1.4	6	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	20 26 01.2•	51.199	N	15.688	E	10	G			1.3	13	POLAND. ML 3.4 (KBA), 3.7 (VKA).
	18	21 11 55.4•	7.420	S	156.287	E	33	N	4.4		1.2	9	SOLOMON ISLANDS
	18	21 29 12.8	55.051	N	163.893	E	33	N	4.9 4.5		1.3	87	OFF EAST COAST OF KAMCHATKA
	18	21 55 18.8•	6.635	S	154.998	E	33	N	4.9		1.4	11	SOLOMON ISLANDS. Felt (II) at Arawa and Panguna, Bougainville.
	18	22 19 07.7•	52.252	N	175.035	W	33	N	4.6		0.9	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	22 32 47.4?	33.86	S	72.18	W	33	N			1.2	14	OFF COAST OF CENTRAL CHILE
	18	23 25 42.6•	18.320	N	103.257	W	33	N	4.5		1.5	29	NEAR COAST OF MICHOACAN, MEXICO. Felt slightly at Colima.
	19	00 09 32.3?	43.04	N	18.73	E	10	G			0.5	5	YUGOSLAVIA. ML 2.1 (TTG).
	19	01 18 56.2?	15.10	N	93.99	W	33	N	4.4		1.5	12	NEAR COAST OF CHIAPAS, MEXICO
e	19	02 37 34.9	52.284	N	174.941	W	33	N	5.1 5.2		0.9	175	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR), Ms 5.0 (BRK). Felt (II) on Adak and Atka.
	19	03 19 06.0	52.283	N	174.896	W	33	N	5.0		1.0	119	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
	19	03 20 13.8%	28.623	S	68.417	W	5	G			0.5	6	LA RIOJA PROVINCE, ARGENTINA
	19	03 41 41.2?	33.81	S	71.93	W	33	N			1.4	11	NEAR COAST OF CENTRAL CHILE
	19	04 12 53.3&	33.898	N	118.390	W	10					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	19	04 25 48.0•	15.143	N	60.370	W	33	N			0.3	10	LEEWARD ISLANDS. ML 3.2 (FDF).
	19	05 49 30.2•	51.214	N	175.527	W	33	N	4.8		0.6	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	19	06 03 59.7&	60.216	N	141.034	W	5					9	SOUTHEASTERN ALASKA. <AGS-P>.
	19	06 05 40.3•	38.190	N	20.364	E	10	G			0.9	8	GREECE. ML 3.3 (ATH).
	19	06 25 06.9•	23.830	S	113.563	W	10	G	4.9 4.8		0.9	29	EASTER ISLAND REGION
	19	06 29 01.8	42.339	N	19.958	E	10	G			0.9	8	YUGOSLAVIA. ML 2.7 (TTG).
	19	06 52 35.4•	52.072	N	174.434	W	33	N	4.0		1.1	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	19	06 54 12.7%	39.430	N	28.358	E	10	G			1.3	6	TURKEY
	19	07 22 46.2•	44.122	N	10.440	E	10	G			1.1	12	NORTHERN ITALY. ML 3.1 (LDG), 3.0 (KBA).
	19	07 30 29.1	39.127	N	28.963	E	10	G			0.6	8	GREECE-ALBANIA BORDER REGION. MG 3.5 (TIR).
e	19	08 08 02.6	47.123	N	154.217	E	45	D	5.2 5.0		0.8	157	KURIL ISLANDS

	19	08	13	41.3?	47.48	N	154.09	E	33	N	4.9		
	19	09	50	15.6?	33.80	S	72.62	W	33	N			
	19	11	04	34.4&	61.964	N	150.757	W	67				
	19	11	35	48.8?	52.12	N	174.95	W	33	N	3.8		
	19	11	47	31.3•	42.590	N	23.505	E	10	G			
	19	11	56	22.2?	43.99	N	5.82	E	10	G			
	19	12	36	30.3	28.416	S	69.089	W	113	D	5.1		
a	19	13	02	43.8	12.617	S	167.301	E	33	N	5.3		
	19	13	52	30.7•	75.573	N	111.442	E	10	G	4.6		
	19	13	54	23.9?	46.06	N	148.35	E	33	N	4.6		
	19	15	48	58.7?	34.67	N	26.27	E	10	G	3.8		
	19	16	47	06.4•	24.351	S	179.822	E	521	•	4.7		
	19	17	15	15.9•	42.800	N	19.175	E	10	G			
	19	17	58	45.6	4.802	N	125.794	E	33	N	5.2		
	19	18	30	05.4	24.043	S	66.679	W	206		4.7		
	19	19	13	19.8?	7.87	S	127.80	E	206	?			
	19	20	03	02.1•	7.921	S	106.794	E	33	N	4.7		
	19	20	21	52.1	51.230	N	179.348	W	33	N	4.7		
	19	20	42	53.4%	39.412	N	28.284	E	10	G			
	19	20	49	57.6•	21.437	S	66.785	W	231	•	4.2		
	19	20	52	49.3	51.266	N	174.743	W	33	N	4.9		
a	19	20	54	03.7	12.629	S	167.227	E	52	•	5.4	5.5	
	19	20	56	17.5	36.557	N	71.333	E	221	•	4.2		
	19	21	26	24.9?	15.66	N	60.32	W	10	G			
	19	22	33	38.9%	16.653	N	60.675	W	10	G			
	19	23	10	15.6•	31.815	S	69.839	W	33	N			
	19	23	26	46.2	51.801	N	179.712	W	33	N	5.2		
	19	23	55	03.1	44.139	N	141.302	E	198	?	4.5		
	20	02	01	57.0•	51.378	N	175.080	W	33	N	4.0		
	20	03	37	02.7	36.192	N	120.783	W	10	G			
	20	04	10	32.2	29.854	N	137.352	E	523		4.8		
	20	04	32	55.6?	33.74	S	71.85	W	33	N			
f	20	05	25	46.9	24.125	N	121.619	E	19	G	6.1	6.4	
	20	05	37	30.6	24.054	N	121.594	E	31		5.5		
	20	06	02	02.7	40.975	N	78.734	E	24	D	5.0		
	20	07	07	40.4	41.232	N	78.699	E	56	•	4.8		
	20	07	29	49.4•	35.326	N	6.121	E	10	G	4.3		
	20	07	32	07.4•	41.005	N	78.403	E	10	G	4.7		
	20	07	43	37.5	38.489	N	26.814	E	14				
	20	09	43	19.0•	7.144	S	128.895	E	188	?	4.5		
	20	10	12	27.8?	51.60	N	175.07	W	33	N	4.3		
	20	10	22	57.6	42.093	N	126.741	W	10	G	4.6	4.3	
	20	10	37	48.4?	47.96	N	8.67	E	10	G			
	20	10	53	20.1•	51.378	N	175.211	W	33	N	4.9		
	20	11	08	31.1•	51.883	N	176.351	W	33	N	4.8		
	20	11	49	59.9?	51.35	N	175.02	W	33	N	4.0		
	20	11	50	17.5	51.377	N	175.183	W	33	N	4.6		
	20	11	54	03.9	31.548	S	68.152	W	10	G			
	20	13	48	34.9	51.101	N	176.460	W	33	N	4.8		
	20	14	14	27.6•	7.906	S	127.982	E	33	N	4.9		
	20	14	15	29.2•	63.810	N	150.480	W	122	•			
	20	14	19	59.8?	33.72	S	71.69	W	33	N			
	20	14	48	17.7•	51.025	N	176.391	W	33	N	4.7		
	20	14	44	01.5?	40.42	N	23.48	E	10	G			
	20	15	56	52.4?	31.33	N	51.64	E	33	N	4.3		
	20	16	03	12.2	39.441	N	28.359	E	10	G			
	20	16	34	09.4?	15.08	S	76.57	W	33	N			
	20	17	26	40.6•	14.723	S	76.089	W	33	N	4.4		
	20	18	10	06.8?	51.36	N	175.91	W	33	N	3.8		
	20	20	41	36.7•	51.703	N	179.564	W	33	N	4.2		
	20	21	10	16.3%	39.419	N	28.415	E	10	G			
a	20	21	57	06.2	7.305	S	106.492	E	61		5.6		
	20	22	59	17.1?	45.56	N	0.09	W	10	G			
	20	23	27	46.4?	33.66	S	72.06	W	33	N			
	21	00	33	50.6•	63.575	N	147.278	W	33	N			
	21	01	15	06.5%	30.978	S	68.225	W	33	N			
a	21	01	45	24.9	14.368	N	20.141	W	10	G	5.2	4.8	
	21	02	14	09.2	65.483	N	141.302	W	33	N	3.7		
	21	03	13	46.0	32.708	S	71.567	W	49	•	4.7		
	21	03	19	31.7	80.704	N	120.368	W	10	G	4.7		
	21	03	56	56.2	3.454	S	76.697	W	121		4.9		
	21	04	09	17.6•	43.086	N	145.412	E	93	•	4.3		
	21	04	11	14.3&	59.171	N	153.635	W	107				
	21	05	08	43.5•	33.751	S	178.817	W	33	N	4.9		
	21	05	43	20.7&	50.342	N	130.009	W	10	G	3.7		
f	21	05	47	10.8	43.684	N	148.416	E	39	D	6.1	6.2	
	21	06	16	16.4•	43.734	N	148.397	E	40	D	5.1		
	21	06	52	08.6	43.639	N	148.531	E	39	D	5.1		
	21	07	05	13.0	51.320	N	176.192	W	33	N	4.6		
	21	07	06	25.6	19.527	S	174.179	W	110	•	5.2		
	21	07	12	05.8&	31.612	N	117.006	W	8	G			
	21	07	44	30.2•	24.001	S	66.754	W	222	•			
	21	07	49	03.5	38.877	N	21.089	E	10	G			
	21	08	00	38.8?	17.84	N	145.43	E	33	N	4.5		

1.0	9	KURIL ISLANDS
0.6	10	OFF COAST OF CENTRAL CHILE
	22	SOUTHERN ALASKA. <AGS-P>.
1.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
0.6	5	BULGARIA
1.2	5	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).
1.2	84	CHILE-ARGENTINA BORDER REGION. Felt (III) at Copiapo and Vallenar, Chile.
1.2	99	SANTA CRUZ ISLANDS
1.4	41	NEAR COAST OF CENTRAL SIBERIA
0.4	18	NORTHWEST OF KURIL ISLANDS
0.9	7	CRETE
1.0	23	SOUTH OF FIJI ISLANDS
1.3	5	YUGOSLAVIA. ML 2.4 (TTG).
1.5	57	TALAUD ISLANDS
1.2	22	SALTA PROVINCE, ARGENTINA
0.5	5	BANDA SEA
1.4	11	JAVA
0.8	69	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	5	TURKEY
1.3	24	SOUTHERN BOLIVIA
1.0	77	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	182	SANTA CRUZ ISLANDS. Ms 5.2 (BRK).
0.8	45	AFGHANISTAN-USSR BORDER REGION
1.3	7	LEEWARD ISLANDS. ML 2.7 (FDF).
0.7	6	LEEWARD ISLANDS
0.8	6	SAN JUAN PROVINCE, ARGENTINA
0.9	62	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	19	HOKKAIDO, JAPAN REGION
0.9	10	ANDREANOF ISLANDS, ALEUTIAN IS.
0.5	12	CENTRAL CALIFORNIA. ML 2.6 (BRK).
0.7	133	SOUTH OF HONSHU, JAPAN
1.3	14	NEAR COAST OF CENTRAL CHILE
1.2	382	TAIWAN. Ms 6.0 (BRK), 5.8 (PAS). One person killed and 5 injured in the Hua-lien area. Felt throughout Taiwan. Depth from broadband displacement seismograms.
1.2	184	TAIWAN. Felt on Taiwan.
1.1	102	SOUTHERN XINJIANG, CHINA
0.9	28	KIRGHIZ-XINJIANG BORDER REGION
1.2	16	ALGERIA. Felt in the Constantine-Batna area.
0.8	8	KIRGHIZ-XINJIANG BORDER REGION
1.0	19	AEGEAN SEA. ML 3.8 (ATH).
1.0	9	BANDA SEA
1.3	9	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	31	OFF COAST OF OREGON
1.5	5	SWITZERLAND. ML 1.7 (KBA).
1.3	32	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	11	ANDREANOF ISLANDS, ALEUTIAN IS.
0.3	5	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	50	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	14	SAN JUAN PROVINCE, ARGENTINA
1.0	50	ANDREANOF ISLANDS, ALEUTIAN IS.
1.1	8	BANDA SEA
0.7	11	CENTRAL ALASKA
1.2	11	NEAR COAST OF CENTRAL CHILE
0.5	7	ANDREANOF ISLANDS, ALEUTIAN IS.
1.4	6	GREECE
1.5	5	IRAN
0.8	18	TURKEY
1.0	7	OFF COAST OF PERU
1.5	8	NEAR COAST OF PERU
1.3	5	ANDREANOF ISLANDS, ALEUTIAN IS.
0.9	9	ANDREANOF ISLANDS, ALEUTIAN IS.
0.4	6	TURKEY
1.1	173	JAVA. Felt (III) on Bali.
1.2	5	FRANCE. ML 2.5 (LDG).
1.0	13	OFF COAST OF CENTRAL CHILE
1.1	5	CENTRAL ALASKA. ML 2.8 (PMR).
1.3	5	SAN JUAN PROVINCE, ARGENTINA
0.9	148	NORTH ATLANTIC OCEAN. Believed to be the first instrumentally located hypocenter in this area.
0.4	9	ALASKA. ML 3.5 (PMR).
1.1	39	NEAR COAST OF CENTRAL CHILE. Felt (V) at Valparaiso and (III) at Santiago.
1.1	31	ARCTIC OCEAN. mbLg 4.2 (OTT).
1.0	57	NORTHERN PERU
1.2	10	HOKKAIDO, JAPAN REGION. Felt (1 JMA) at Kushiro and Nemuro.
	27	SOUTHERN ALASKA. <AGS-P>.
1.2	11	SOUTH OF KERMADEC ISLANDS
	14	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.4 (PGC).
1.1	353	KURIL ISLANDS REGION. Ms 6.2 (PAS), 6.1 (BRK). Felt (III) at Yuzhno-Kurilsk. Felt (I JMA) at Nemuro, Hokkaido.
1.1	71	KURIL ISLANDS REGION
0.9	100	KURIL ISLANDS REGION
1.1	34	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR). Felt (III) on Adak.
1.2	97	TONGA ISLANDS
	4	OFF W. COAST OF BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
0.2	8	SALTA PROVINCE, ARGENTINA
0.6	8	GREECE. ML 3.5 (ATH).
1.2	6	MARIANA ISLANDS

	21	09	09	54.9?	59.35	N	6.82	E	10	G		
	21	10	03	59.4	4.760	S	103.153	E	73	•	5.3	
	21	10	27	27.6	42.355	N	19.890	E	10	G		
	21	10	30	56.9?	17.89	S	178.67	W	614	•	4.6	
	21	10	34	43.3	59.597	N	164.529	E	33	N	4.9	
	21	10	49	08.5%	31.124	S	68.475	W	33	N		
	21	12	38	53.4&	59.780	N	153.635	W	135			
	21	13	33	00.5	36.605	N	121.212	W	10	G		
	21	13	59	00.0&	37.125	N	116.060	W	0			
	21	14	22	21.6?	59.79	N	164.12	E	33	N	4.2	
	21	14	39	57.6%	42.346	N	26.272	E	10	G		
	21	14	52	20.4	23.962	N	121.628	E	33	N	4.4	
	21	16	59	50.3%	48.032	N	6.683	E	10	G		
	21	17	29	33.7?	2.03	S	100.53	E	33	N		
	21	17	30	02.0	51.329	N	175.509	W	33	N	4.8	4.7
	21	17	51	43.5	43.847	N	148.324	E	33	N	5.0	
	21	20	27	18.2	38.443	N	25.189	E	10	G		
	21	20	42	24.6•	25.370	S	116.607	E	10	G		
	21	20	43	05.9•	38.547	N	25.016	E	10	G		
	21	21	45	04.8•	9.878	S	119.352	E	33	N	4.1	
	21	21	57	09.2•	49.119	N	6.974	E	10	G		
	21	22	12	16.4	51.832	N	175.400	W	33	N	4.8	
	21	23	00	57.0?	31.22	S	68.36	W	113	?		
	21	23	28	00.8	60.314	N	148.503	W	16		4.6	
	21	23	51	41.6?	10.35	S	161.86	E	33	N	4.6	
	22	02	04	12.9•	30.988	S	68.724	W	33	N		
	22	02	05	32.8	32.798	S	71.742	W	45	•	4.4	
	22	02	12	38.2?	30.57	S	69.63	W	33	N		
	22	02	30	07.5?	7.49	S	128.12	E	344	?	4.3	
	22	02	38	14.6•	12.311	S	77.131	W	66	•	4.7	
	22	02	48	30.5?	14.14	N	6[illegible].18	W	33	N		
	22	04	24	50.9%	39.408	N	28.354	E	10	G		
	22	04	42	21.7•	12.583	S	167.407	E	33	N	5.0	
	22	05	14	02.7	12.370	N	93.236	E	103	?	4.9	
	22	05	17	48.2?	15.46	N	62.16	W	33	N		
	22	05	52	29.2	38.155	N	23.228	E	33	N	4.4	
	22	06	28	55.4•	22.544	N	144.729	E	33	N	4.8	
	22	07	24	35.9&	61.889	N	147.357	W	30		3.5	
	22	08	00	24.4	32.555	S	71.723	W	50	•	4.9	
	22	08	50	57.6	48.107	N	7.318	E	10	G		
	22	08	54	46.1%	39.140	N	27.780	E	10	G		
	22	09	19	51.2•	38.785	N	20.668	E	10	G		
	22	09	38	38.4•	10.484	S	120.155	E	33	N	4.3	
o	22	10	29	50.6	43.728	N	148.433	E	42	D	5.2	4.5
	22	11	26	45.0•	26.059	S	179.930	E	510	?	4.6	
	22	11	41	30.8?	24.01	S	179.90	E	597	?	4.5	
	22	11	48	13.5?	51.58	N	175.68	W	33	N	4.5	
	22	12	32	28.8•	43.163	N	26.031	E	5	G		
	22	13	29	52.4	46.925	N	145.190	E	373	D	5.0	
	22	13	36	21.1%	39.151	N	27.741	E	10	G		
	22	13	39	07.1	43.682	N	148.441	E	34	D	4.8	
	22	13	47	12.9?	36.36	N	1.58	E	10	G		
	22	14	10	13.0	52.877	N	160.079	E	33	N	5.1	
	22	14	44	54.5•	31.644	N	91.075	E	33	N	4.8	
	22	14	49	29.0•	54.039	N	164.923	W	77	•	4.5	
	22	14	55	57.5&	62.204	N	148.887	W	46			
	22	15	02	06.3?	36.85	N	70.48	E	33	N	4.5	
	22	15	54	04.3•	0.682	N	25.459	W	10	G	4.8	
	22	16	18	00.2•	50.394	N	174.985	W	33	N	4.8	
	22	16	24	52.3•	51.201	N	175.582	W	33	N	4.5	
	22	17	47	23.8	23.934	N	121.686	E	29		4.9	4.8
	22	17	56	46.3	8.212	S	105.615	E	21	D	5.1	4.5
	22	19	25	43.9	32.589	N	121.584	E	33	N	4.6	
o	22	19	52	21.8	34.630	N	26.528	E	43		5.1	5.2
	22	20	17	22.6?	59.33	N	6.83	E	10	G		
	22	20	34	30.9•	34.713	N	26.579	E	33	N	3.9	
	22	21	00	01.1	23.982	N	121.729	E	31		5.0	
	22	21	02	35.1?	34.67	N	26.75	E	33	N		
	22	21	37	21.2	7.112	S	117.160	E	603		5.0	
	22	23	39	34.2%	39.126	N	27.853	E	10	G		
	22	23	41	38.9	30.529	N	141.919	E	33	N	4.7	
	22	23	52	02.7•	51.421	N	15.988	E	10	G		
	23	00	32	06.6%	39.154	N	27.740	E	10	G		
	23	01	00	13.2?	15.28	N	61.18	W	176	?		
	23	01	32	04.7•	31.333	N	140.180	E	33	N	4.4	
	23	01	34	41.2	31.200	N	140.289	E	21	•	4.9	
	23	01	37	52.7•	49.128	N	6.814	E	10	G		
	23	02	45	47.4?	39.43	N	28.37	E	10	G		
	23	03	00	03.4	11.761	N	142.319	E	33	N	5.1	
	23	06	11	14.1•	13.042	N	57.762	E	10	G	4.9	
	23	06	30	08.0•	2.684	S	138.551	E	33	N	4.4	
	23	06	49	57.8•	21.398	S	66.349	W	233	•	4.3	
	23	07	19	06.4?	51.14	N	176.13	W	33	N	4.9	
	23	07	43	35.7%	39.469	N	28.371	E	10	G		
	23	07	48	37.0%	39.413	N	28.383	E	10	G		
	23	08	26	48.6?	13.69	N	92.99	W	33	N	4.2	
	23	08	45	26.0	62.988	N	150.456	W	115	?	3.6	
	23	09	19	48.3	34.367	N	26.727	E	33	N	3.9	

0.9	5	SOUTHERN NORWAY. MD 1.9 (BER).
0.9	44	SOUTHERN SUMATERA
0.6	7	YUGOSLAVIA. MD 2.4 (TTG).
1.1	27	FIJI ISLANDS REGION
0.8	58	KAMCHATKA
0.5	5	SAN JUAN PROVINCE, ARGENTINA
	21	SOUTHERN ALASKA. <AGS-P>.
0.5	15	CENTRAL CALIFORNIA. ML 2.6 (BRK).
	33	SOUTHERN NEVADA. <DOE>. ML 3.9 (BRK). 37° 07' 38.12" N., 116° 03' 37.40" W., Surface Elev. 1286 m., Depth of Burial 500 m., Shot Time 135900.083, "PANAMINT", Nevada Test Site (Dept. of Energy).
0.4	5	KAMCHATKA
1.3	5	BULGARIA
0.9	19	TAIWAN
0.6	6	FRANCE. ML 2.4 (LDG)..
0.8	5	SOUTHERN SUMATERA
1.0	39	ANDREANOF ISLANDS, ALEUTIAN IS.
1.0	43	KURIL ISLANDS REGION
0.9	11	AEGEAN SEA. ML 3.6 (ATH).
1.2	8	WESTERN AUSTRALIA
1.4	7	AEGEAN SEA. ML 3.4 (ATH).
1.6	12	SUMBA ISLAND REGION
1.2	5	GERMANY. ML 2.3 (LDG).
0.9	66	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR). Felt (II) on Adak.
0.6	5	SAN JUAN PROVINCE, ARGENTINA
0.9	66	SOUTHEASTERN ALASKA. ML 4.3 (PMR).
1.4	6	SOLOMON ISLANDS
1.4	5	SAN JUAN PROVINCE, ARGENTINA
1.1	27	NEAR COAST OF CENTRAL CHILE. Felt (III) at Santiago.
0.9	5	CHILE-ARGENTINA BORDER REGION
1.6	8	BANDA SEA
1.0	24	NEAR COAST OF PERU. Felt (IV) at Lima and (III) at Chilca.
1.5	7	WINDWARD ISLANDS. ML 2.9 (FDF).
0.9	6	TURKEY
1.2	26	SANTA CRUZ ISLANDS
0.9	12	ANDAMAN ISLANDS REGION
1.0	6	LEEWARD ISLANDS
1.1	90	GREECE. ML 4.2 (ATH). Felt in central Greece.
1.0	23	VOLCANO ISLANDS REGION
	38	SOUTHERN ALASKA. <AGS-P>.
1.2	48	NEAR COAST OF CENTRAL CHILE
1.0	9	FRANCE. ML 2.9 (LDG).
0.8	8	TURKEY
1.5	5	GREECE. ML 3.9 (ATH).
1.0	5	SUMBA ISLAND REGION
0.9	129	KURIL ISLANDS REGION
1.0	13	SOUTH OF FIJI ISLANDS
0.6	9	SOUTH OF FIJI ISLANDS
0.9	14	ANDREANOF ISLANDS, ALEUTIAN IS.
1.4	6	BULGARIA
0.9	137	SEA OF OKHOTSK
0.4	6	TURKEY
0.8	57	KURIL ISLANDS REGION
1.2	7	ALGERIA. MG 3.3 (MDD).
0.9	71	OFF EAST COAST OF KAMCHATKA
0.5	7	TIBET
1.2	11	UNIMAK ISLAND REGION
	22	CENTRAL ALASKA. <AGS-P>.
0.5	5	HINDU KUSH REGION
1.3	19	CENTRAL MID-ATLANTIC RIDGE
0.9	13	ANDREANOF ISLANDS, ALEUTIAN IS.
0.7	12	ANDREANOF ISLANDS, ALEUTIAN IS.
1.2	72	TAIWAN. Felt on northeastern Taiwan.
1.2	57	SOUTH OF JAVA
1.3	31	EASTERN CHINA. Felt in northern Shanghai.
1.1	208	CRETE
1.1	5	SOUTHERN NORWAY. MD 2.2 (BER).
1.1	10	CRETE
1.1	58	TAIWAN. Felt on northeastern Taiwan.
1.7	5	CRETE
0.9	56	BALI SEA
1.0	6	TURKEY
0.9	54	SOUTH OF HONSHU, JAPAN
0.5	12	POLAND. ML 3.5 (VKA), 3.5 (KBA).
0.7	10	TURKEY
0.7	9	LEEWARD ISLANDS
0.9	8	SOUTH OF HONSHU, JAPAN
1.3	42	SOUTH OF HONSHU, JAPAN
0.8	6	GERMANY. ML 2.0 (LDG).
0.2	5	TURKEY
1.0	71	SOUTH OF MARIANA ISLANDS
0.8	33	ARABIAN SEA
1.2	11	WEST IRIAN
0.6	8	SOUTHERN BOLIVIA
1.3	8	ANDREANOF ISLANDS, ALEUTIAN IS.
0.6	6	TURKEY
0.3	5	TURKEY
1.3	7	OFF COAST OF CHIAPAS, MEXICO
0.8	10	CENTRAL ALASKA
1.3	22	CRETE

	23	09	51	16	2•	31	639	H	81	219	E	33 M	4.9
•	23	09	51	26	4	12	60C	H	80	179	E	10 G	5.5 5.4
	23	10	08	24	01	20	75	H	20	7•	E	10 G	
	23	10	10	05	10	20	395	H	20	250	E	10 G	
	23	10	40	54	08	20	490	H	27	881	E	10 G	
	23	11	02	56	3•	20	802	S	168	402	E	33 M	5.1
	23	11	01	55	00	35	010	H	110	020	W	10	3.6
	23	10	02	00	51	40	33	H	10	40	E	10 G	
	23	10	20	10	1•	7	456	S	120	606	E	100 •	4.6
	23	20	31	59	1•	36	367	H	70	957	E	142 ?	4.6
	23	21	27	05	4•	40	013	H	6	713	E	10 G	
	23	21	56	59	0•	42	353	H	10	945	E	10 G	
•	23	23	18	02	2	50	906	H	153	377	W	80 D	5.0
	23	23	40	00	3•	51	257	H	170	993	E	33 M	4.6
	24	02	22	00	51	5	23	S	131	81	E	33 M	4.7
	24	04	02	12	16	31	880	H	115	690	W	6 G	
	24	06	35	42	0•	28	076	H	45	714	W	10 G	4.7
	24	07	09	28	10	46	170	H	20	987	E	10 G	
	24	07	34	31	16	31	764	H	116	121	W	8 G	
	24	08	07	53	3•	03	094	H	150	911	W	129	4.2
	24	08	08	24	2	33	035	H	131	188	E	10 G	
	24	08	16	08	0•	35	215	H	92	189	W	5 G	
	24	08	54	29	48	35	260	H	118	580	W	6 G	
	24	09	47	42	38	48	493	H	29	218	E	10 G	
	24	09	50	13	4	23	981	H	121	743	E	24	4.7
	24	10	02	08	3	23	979	H	121	783	E	24	4.8
	24	10	02	11	0•	14	917	S	167	552	E	162 ?	4.2
	24	10	09	38	27	16	65	H	98	47	W	33 M	
	24	10	37	02	29	39	264	H	28	343	E	10 G	
	24	10	39	42	8	15	527	H	95	646	W	33 M	4.9 5.2
•	24	10	43	35	9	15	575	S	173	951	W	33 M	5.4 5.8
	24	10	57	51	27	29	45	S	72	09	W	33 M	
	24	12	01	54	07	19	24	S	175	39	W	33 M	4.9
	24	12	48	12	2	36	001	H	89	937	W	5 G	
	24	13	09	14	8•	20	989	S	68	918	W	147 •	
	24	13	27	42	48	58	701	H	155	325	W	4	
	24	13	45	47	78	61	179	H	152	868	W	93	
	24	14	31	48	08	66	848	H	93	488	W	10	4.1
	24	14	58	58	87	59	38	H	6	78	E	10 G	
	24	15	21	18	2•	22	132	S	68	762	W	125 •	
•	24	15	31	52	6	35	977	H	69	885	E	45 •	5.2 4.6
	24	16	11	35	47	26	38	S	179	74	W	478 ?	5.0
	24	16	24	17	07	14	94	H	93	80	W	33 M	4.5
	24	16	44	58	6	51	113	H	176	284	W	33 M	4.6
	24	17	01	17	1	1	437	S	77	785	W	179	4.5
	24	17	35	53	5	5	622	S	133	837	E	33 M	5.0 4.6
	24	18	48	47	9•	51	884	H	174	705	W	33 M	4.6
	24	19	09	38	17	15	86	H	68	66	W	33 M	
	24	19	58	21	9	9	562	S	151	845	E	33 M	5.0
	24	20	58	24	07	44	09	H	148	21	E	33 M	4.6
	25	00	09	58	67	2	04	S	151	76	E	33 M	4.6
	25	00	33	03	9	51	679	H	175	236	W	33 M	5.0 4.3
	25	00	34	18	7	37	487	H	121	669	W	5 G	
	25	01	19	55	9•	43	494	H	7	930	E	10 G	
	25	01	33	24	8•	48	395	H	19	481	E	10 G	
	25	01	49	08	1	10	634	H	85	952	W	57 •	4.7 4.8
•	25	03	09	19	7•	31	911	S	57	847	E	10 G	5.1
	25	03	46	02	88	36	782	H	121	248	W	9	
	25	04	48	21	8•	32	829	S	71	883	W	10	
	25	04	53	15	0•	41	784	H	22	687	E	10 G	
	25	07	13	22	1	43	937	H	98	289	W	5 G	
	25	07	18	59	5•	51	139	H	176	839	W	33 M	4.8
	25	08	02	29	37	52	01	H	17	05	E	10 G	
	25	08	49	59	77	26	08	S	179	70	E	564 ?	4.5
	25	08	57	24	1•	31	483	H	141	650	E	33 M	5.2
	25	09	38	07	78	38	890	H	27	489	E	10 G	
	25	09	51	03	7a	38	792	H	122	770	W	5 G	
	25	09	55	05	1•	38	323	H	25	172	E	10 G	
	25	10	27	44	8a	36	230	H	94	877	W	5 G	
	25	11	38	56	8	36	465	H	70	720	E	189 •	4.4
	25	11	57	16	3•	6	478	S	147	578	E	93 •	4.2
•	25	12	25	19	3	23	991	S	175	869	W	33 M	5.4 4.9
	25	12	56	37	3	11	037	S	165	926	E	33 M	5.3 4.5
	25	13	09	02	2•	42	817	H	0	171	E	10 G	
	25	13	28	18	3	39	618	H	25	256	E	10 G	
	25	14	00	56	6•	15	959	H	68	667	W	10 G	
	25	15	10	42	7•	32	293	H	68	489	E	33 M	4.4
	25	15	55	37	9•.	6	128	S	151	364	E	33 M	
	25	15	59	18	97	19	17	S	34	49	E	10 G	4.6
	25	16	57	31	1	43	286	H	26	017	E	10 G	
	25	17	00	38	5•	35	415	H	106	881	E	33 M	4.8

1.2	12	TIBET
1.1	219	EASTERN GULF OF ADEN
1.4	6	AEGEAN SEA. ML 3.3 (ATH)
0.8	5	TURKEY
0.7	5	TURKEY
1.3	17	LOYALTY ISLANDS
	22	CENTRAL CALIFORNIA <PAS-P>. ML 3.9 (PAS), 4.0 (BRK). Felt (IV) at Lone Isabella, Edison and Bellard Heights. Felt (III) at Ducor and Terrahop. Also felt at Bonanza Gold and Onyx.
1.1	5	ALBANIA
1.4	13	BANDA SEA
1.1	17	HINDU KUSH REGION
1.2	5	GERMANY
0.3	5	YUGOSLAVIA. ML 2.3 (TTG)
1.0	183	KODIAK ISLAND REGION. Felt (III) at Homer and Kodiak.
1.0	12	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PMR)
1.4	6	BANDA SEA
	11	BAJA CALIFORNIA <PAS-P>. ML 3.2 (PAS)
1.0	14	NORTH ATLANTIC RIDGE
0.7	6	ROMANIA
	4	BAJA CALIFORNIA <ECI-P>. MD 2.5 (ECI)
0.0	11	CENTRAL ALASKA
0.6	14	KYUSHU, JAPAN. Felt (IV JMA) at Aoson, (II JMA) at Nagoya and Oita, and (I JMA) at Fukuoka, Kumamoto and Sago.
0.6	7	ARKANSAS. mbLg 3.8 (TUL)
	13	CENTRAL CALIFORNIA <PAS-P>. ML 3.2 (PAS)
0.5	7	TURKEY
1.1	77	TAIWAN. Felt on northeastern Taiwan.
1.0	35	TAIWAN. Felt on northeastern Taiwan.
0.9	13	VANUATU ISLANDS
1.7	5	NEAR COAST OF GUERRERO, MEXICO
1.4	10	TURKEY
1.0	99	NEAR COAST OF OAXACA, MEXICO
1.1	153	TONGA ISLANDS. Mb 5.6 (PAS)
0.8	9	OFF COAST OF CENTRAL CHILE
1.5	9	TONGA ISLANDS
0.6	8	NEW MADRID, MISSOURI REGION. mbLg 3.4 (NEIS), 3.4 (TUL). Felt (IV) at Broseley, Campbell, Point Pleasent, Malden, Parma, Portageville and Risco, Missouri. Felt (III) at Canalou, Catron, Dudley, Fisk, Kewanee, New Madrid, Steele and Tallapoosa, Missouri. Also felt (II) at Pollard, Arkansas and Tiptonville, Tennessee.
1.2	7	CHILE-BOLIVIA BORDER REGION
	15	ALASKA PENINSULA. <AGS-P>
	20	SOUTHERN ALASKA. <AGS-P>
	9	NORTHWEST TERRITORIES, CANADA <DTT>. mbLg 4.0 (DTT)
1.1	5	SOUTHERN NORWAY. MD 1.7 (BER)
1.6	7	NORTHERN CHILE
1.0	169	HINDU KUSH REGION. Felt (II) at Khorog and Dusti, USSR.
0.8	13	SOUTH OF FIJI ISLANDS
1.3	15	NEAR COAST OF CHIAPAS, MEXICO
1.0	36	ANDREANOF ISLANDS, ALEUTIAN IS
0.8	62	ECUADOR
1.3	72	ARDE ISLANDS REGION
1.0	24	ANDREANOF ISLANDS, ALEUTIAN IS
1.2	5	LEEWARD ISLANDS. ML 2.5 (PAG)
1.3	14	DENTRECASTEAUX ISLANDS REGION
0.7	12	KURIL ISLANDS
1.3	8	NEW IRELAND REGION
1.0	76	ANDREANOF ISLANDS, ALEUTIAN IS
1.0	10	CENTRAL CALIFORNIA. ML 2.8 (BRK)
0.2	5	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG)
1.5	11	ALBANIA. ML 3.2 (TTG)
1.3	55	COSTA RICA
1.2	27	ATLANTIC-INDIAN RISE
	15	CENTRAL CALIFORNIA <BRK>. ML 3.0 (BRK)
0.8	15	NEAR COAST OF CENTRAL CHILE
0.9	5	YUGOSLAVIA. MG 2.6 (SKO)
0.7	9	SOUTH DAKOTA. mbLg 3.4 (NEIS), 3.6 (TUL). Felt (IV) at Letcher, Mount Vernon, Plankington and Stickney. Felt (III) at Woonsocket.
1.0	19	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.8 (PMR)
0.5	9	POLAND. ML 3.5 (VKA), 3.3 (KBA).
0.8	6	SOUTH OF FIJI ISLANDS
0.9	6	SOUTH OF HONSHU, JAPAN
0.8	5	TURKEY
	15	NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK).
0.7	6	AEGEAN SEA. ML 3.4 (ATH)
	4	ARKANSAS-OKLAHOMA BORDER REGION. <TUL>. MD 2.2 (TUL).
1.1	20	HINDU KUSH REGION
1.0	13	EAST PAPUA NEW GUINEA REGION
1.4	79	TONGA ISLANDS REGION
0.8	77	SANTA CRUZ ISLANDS
1.2	7	PYRENEES. ML 3.1 (LDG).
1.1	15	AEGEAN SEA. ML 3.5 (ATH).
0.5	6	LEEWARD ISLANDS. ML 2.5 (PAG).
1.1	17	IRAN
1.7	5	NEW BRITAIN REGION
1.6	5	MOZAMBIQUE
0.9	12	BULGARIA
1.3	11	GANSU PROVINCE, CHINA

	25	17	20	30	9•	30	449	W	74	053	E	33	N	4	8
	25	19	23	10	3	31	380	N	176	130	W	33	N	4	7
	25	19	52	54	9?	45	54	N	28	19	E	139	?		
	25	20	10	15	8%	61	992	N	140	885	W	11			
	25	20	43	54	1	17	130	S	65	100	W	33	N	4	8
	25	21	02	05	8%	39	410	N	28	402	E	10	G		
	25	23	00	07	27	45	26	N	27	41	E	10	G		
	25	23	21	58	6%	39	413	N	28	361	E	10	G		
	25	23	23	05	5	39	447	N	28	354	E	10	G		
	25	23	32	00	2	51	410	N	174	887	W	33	N	4	8
	25	23	30	10	5	39	480	N	28	353	E	10	G		
	25	00	10	01	9%	39	390	N	28	533	E	10	G		
o	26	00	16	24	4	16	202	S	172	899	W	33	N	5	2 5 4
	26	00	19	15	4	43	163	N	25	980	E	10	G		
	26	01	01	54	1%	40	280	N	29	478	E	10	G		
	26	01	53	04	17	48	58	N	157	10	E	33	N	4	7
	26	02	09	04	6		7	092	N	126	116	E	49		5 1 4 3
	26	02	59	35	6	40	129	N	141	116	E	21		5 0 4 3
	26	03	11	31	8	40	113	N	141	130	E	10	G	4 8	
	26	03	34	59	1	56	538	N	115	878	E	33	N	4	9
	26	05	55	13	9•	27	778	S	128	913	E	10	G		
	26	06	19	24	5•	3	120	S	127	864	E	94	•	5	0
	26	06	20	37	2%	28	292	S	67	920	W	120	?		
	26	07	41	00	3•	24	096	S	66	862	W	204	•		
	26	08	12	28	6•	27	658	N	140	114	E	33	N	4	7
	26	08	58	10	8%	39	245	N	27	703	E	10	G		
	26	09	32	36	57	6	92	S	72	21	E	10	G	4	5
	26	10	28	12	67	31	18	S	68	46	W	113	?		
	26	10	43	32	1	27	374	N	140	884	E	33	N	4	7
	26	10	55	16	6	43	038	N	9	409	W	10	G		
	26	12	22	59	8%	39	374	N	28	412	E	10	G		
	26	14	31	41	8%	01	364	N	150	946	W	65			
	26	14	47	47	9•	27	166	N	127	320	E	122		4	4
	26	15	46	30	4	43	184	N	10	003	E	10	G		
	26	16	52	33	5•	15	141	N	122	292	E	53	•		
	26	17	14	06	3		8	182	S	117	687	E	33	N	4 8
	26	18	04	36	1•	28	142	N	140	653	E	33	N		
f	26	18	48	44	2	21	819	S	179	079	W	583	G	6	1
o	26	19	86	15	9	20	199	S	178	860	E	538	G	6	4
	26	19	39	44	17	29	45	S	71	64	W	33	N		
	26	19	48	36	3	20	726	S	177	814	E	623		5	5
	26	19	56	32	9	37	159	N	121	556	W	5	G		
	26	20	29	29	6	9	001	N	126	591	E	54	•	4	9
	26	20	33	12	5•	8	928	N	126	649	E	40	?	4	7
	26	20	36	03	1	41	885	N	25	355	E	10	G		
	26	20	37	41	2	8	978	N	126	565	E	78	•	4	4
	26	21	02	05	7%	39	400	N	28	424	E	10	G		
	26	21	07	01	7	29	009	N	51	805	E	33	N	4	6
	26	22	39	28	2%	38	842	N	27	539	E	10	G		
	26	23	00	20	6•	51	781	N	174	550	W	33	N	4	7
	26	23	09	58	3•	50	547	N	174	640	W	33	N	4	8
	26	23	12	29	8	30	401	N	103	310	E	33	N	4	2
	26	23	21	58	7%	39	413	N	28	361	E	10	G		
	26	23	23	05	4%	39	456	N	28	348	E	10	G		
	26	23	38	18	5%	39	461	N	28	350	E	10	G		
	26	23	51	31	3	39	214	N	22	356	E	10	G		
	27	00	07	18	4&	31	690	N	115	887	W	8	G		
	27	00	49	30	9&	31	310	N	116	160	W	6	G		
	27	01	08	21	3•	39	415	N	28	592	E	10	G		
	27	02	14	17	2•	14	945	N	60	441	W	33	N		
	27	02	15	01	47	53	50	S	9	27	E	10	G	4	8
	27	02	24	40	07	50	69	N	174	71	W	33	N	4	3
	27	02	33	22	9	38	985	N	27	435	E	10	G		
	27	02	33	54	4	10	668	N	65	194	W	10	G	4	1 3 5
	27	02	44	05	8%	38	856	N	27	526	E	10	G		
	27	03	35	45	3•	6	668	S	147	338	E	96		4	9
	27	04	24	28	7?	33	00	S	179	13	W	33	N	5	2
	27	04	44	50	1	38	935	N	27	529	E	10	G		
	27	07	58	39	5	2	825	S	119	727	E	36		5	5 4 7
	27	08	46	42	9%	60	473	N	5	487	E	10	G		
	27	08	48	55	8	2	792	S	119	749	E	33	N		
o	27	08	54	06	8	7	072	S	124	152	E	628		5	6
	27	08	54	58	7	39	478	N	28	472	E	19		4	9 4 6
	27	09	19	08	2	39	411	N	28	413	E	10	G		
	27	09	22	21	3%	39	441	N	28	541	E	10	G		
	27	09	36	15	0•	39	435	N	28	945	E	10	G		
	27	09	36	54	17	51	40	N	175	75	W	33	N	4	2
	27	09	41	19	9	71	765	N	2	357	W	10	G	4	9 4 6
	27	10	01	14	9•	15	984	S	173	065	W	33	N	5	1 4 8
	27	10	24	07	5%	39	476	N	28	353	E	10	G		
	27	10	32	45	7•	71	923	N	1	739	W	10	G	4	5
	27	14	16	24	2•	51	636	N	174	386	W	33	N	4	9
	27	14	41	49	1	37	350	N	29	687	E	10	G	4	4
	27	16	46	10	8	42	237	N	142	384	E	33	N	4	5
	27	17	48	50	2&	59	970	N	152	742	W	92			
	27	19	22	55	7•	51	275	N	15	974	E	10	G		
	27	19	36	14	4&	31	672	N	115	897	W	8	G		

1 0	17	TAJIK-KIRGHIZ BORDER REGION	
0 0	42	ANDREANOF ISLANDS, ALEUTIAN IS ML 4 0 (PWE)	
0 0	1	ROMANIA	
	30	SOUTHERN ALASKA <AGS-P> ML 3 0 (PWE)	
1 1	19	BOLIVIA	
0 5	11	TURKEY	
0 4	5	ROMANIA	
1 0	9	TURKEY	
0 6	22	TURKEY	
0 0	63	ANDREANOF ISLANDS, ALEUTIAN IS ML 3 0 (PWE)	
0 7	13	TURKEY	
1 0	11	TURKEY	
1 3	120	SAMOA ISLANDS REGION	
1 0	12	BULGARIA	
0 4	6	TURKEY	
1 1	10	KURIL ISLANDS REGION	
1 0	70	MINDANAO, PHILIPPINE ISLANDS	
1 0	92	NEAR EAST COAST OF HONSHU, JAPAN Felt (III JMA) at Miyako and (II JMA) at Hachinohe Morioka and Otanabe	
1 0	67	NEAR EAST COAST OF HONSHU, JAPAN Felt (II JMA) at Morioka and (I JMA) at Hachinohe and Otanabe	
0 0	49	EAST OF LAKE BAIKAL Felt (III) at Bodaybo	
1 0	8	WESTERN AUSTRALIA ML 4 3 (ASPA)	
1 1	20	CERAM	
1 2	7	LA RIOJA PROVINCE, ARGENTINA	
1 5	11	SALTA PROVINCE, ARGENTINA	
1 3	20	BONIN ISLANDS REGION	
0 7	5	TURKEY	
1 4	7	CHAGOS ARCHIPELAGO REGION	
0 2	5	SAN JUAN PROVINCE, ARGENTINA	
1 1	19	BONIN ISLANDS REGION	
1 1	9	PYRENEES ML 3 0 (LDG)	
1 0	10	TURKEY	
	32	SOUTHERN ALASKA <AGS-P>	
0 9	14	RYUKYU ISLANDS	
1 0	11	BULGARIA	
0 8	10	PHILIPPINE ISLANDS REGION	
1 1	32	SUMBAWA ISLAND REGION	
1 2	12	BONIN ISLANDS REGION	
1 0	436	FIJI ISLANDS REGION mb 5 0 (BPx), 5 ? (PAS) Felt slightly at Suva Felt on Rooul Island, Kermadec Islands Depth from broadband displacement seismograms	
0 9	508	SOUTH OF FIJI ISLANDS mb 6 7 (BPx), 6 3 (PAS) Felt on Rooul Island, Kermadec Islands Depth from broadband displacement seismograms	
1 2	10	NEAR COAST OF CENTRAL CHILE	
1 2	159	SOUTH OF FIJI ISLANDS Felt (II) at Suva	
0 5	12	CENTRAL CALIFORNIA ML 2 9 (BPx)	
1 2	71	MINDANAO, PHILIPPINE ISLANDS	
0 9	13	MINDANAO, PHILIPPINE ISLANDS	
1 3	11	GREECE-BULGARIA BORDER REGION	
1 2	34	MINDANAO, PHILIPPINE ISLANDS	
0 5	9	TURKEY	
1 1	31	SOUTHERN IRAN	
0 2	5	TURKEY	
0 8	12	ANDREANOF ISLANDS, ALEUTIAN IS	
0 5	13	ANDREANOF ISLANDS, ALEUTIAN IS	
1 0	10	SICHUAN PROVINCE, CHINA	
1 0	8	TURKEY	
0 5	14	TURKEY	
0 7	12	TURKEY	
0 8	10	GREECE ML 3 2 (ATH)	
	4	BAJA CALIFORNIA <ECX-P> MD 2 5 (ECX)	
	15	BAJA CALIFORNIA <PAS-P> ML 3 5 (PAS)	
1 4	5	GREECE-ALBANIA BORDER REGION	
0 4	9	WINDWARD ISLANDS ML 2 7 (PDF)	
1 6	8	SOUTHWEST OF AFRICA	
0 7	10	ANDREANOF ISLANDS, ALEUTIAN IS	
1 0	11	TURKEY	
1 1	33	PUERTO RICO REGION	
0 6	5	TURKEY	
1 0	14	EAST PAPUA NEW GUINEA REGION	
1 3	14	SOUTH OF KERMADEC ISLANDS	
0 9	18	TURKEY	
1 2	76	SULAWESI	
0 9	5	SOUTHERN NORWAY MD 1 8 (BER)	
0 6	8	SULAWESI	
1 3	246	BANDA SEA	
1 0	66	TURKEY	
1 2	11	TURKEY	
1 3	6	TURKEY	
1 3	7	TURKEY	
0 7	5	ANDREANOF ISLANDS, ALEUTIAN IS	
1 1	42	JAN MAYEN ISLAND REGION	
1 3	47	TONGA ISLANDS	
1 2	5	TURKEY	
1 0	19	JAN MAYEN ISLAND REGION	
1 0	14	ANDREANOF ISLANDS, ALEUTIAN IS	
0 9	21	IONIAN SEA ML 4 1 (ATH)	
0 7	8	HOKKAIDO, JAPAN REGION Felt (I JMA) at Urakawa	
	30	SOUTHERN ALASKA <AGS-P>	
0 8	8	POLAND ML 3 3 (VKA), 3 1 (KBA)	
	4	BAJA CALIFORNIA <ECX-P> MD 2 5 (ECX)	

	27	19 45 45 4<	51 303 N	15 529 E	10 G				0 6	8	POLAND. ML 3.5 (VKA), 3.6 (GRF), 3.3 (KBA).		
	27	21 15 59 4<	37 857 N	20 857 E	10 G	4 1			0 7	17	IONIAN SEA. ML 3.9 (ATH)		
	27	22 03 10 1	15 489 S	173 868 W	33 N	5 4 4.9			0 9	151	TONGA ISLANDS		
	27	22 07 58 2	7 836 S	150 887 E	33 N	5.7			1 1	97	NEW BRITAIN REGION		
	27	22 09 26 7<	28 527 S	67 562 W	150 ?				1 5	8	LA RIOJA PROVINCE, ARGENTINA		
	27	23 25 25 0<	6 088 S	154 894 E	51 <				1 5	11	SOLOMON ISLANDS		
	28	00 17 54 46	39 774 N	112 799 W	1					7	UTAH <SLC>. ML 2.8 (SLC).		
	28	01 23 00 0<	7 870 S	129 310 E	188 ?				1 5	9	BANDA SEA		
	28	01 45 04 1	8 841 S	116 295 E	120 <	5.0			1 4	26	SUMBAWA ISLAND REGION. Felt (III) at Karangasem.		
	28	02 03 33 3	42 332 N	19 974 E	10 G				0 7	8	YUGOSLAVIA. MD 3.0 (TTG)		
	28	02 58 59 57	35.77 N	19 09 W	10 G				0 9	7	NORTH ATLANTIC OCEAN. MG 3.5 (MOD).		
	28	03 57 28 5	73 992 N	121 660 E	33 N	4.4			1 1	18	TAIWAN		
	28	05 25 10 78	0.449 N	151 345 W	72					21	SOUTHERN ALASKA <AGS-P>.		
	28	06 22 20 3	71 120 N	10 038 W	10 G	4 6 4 6			1 0	37	JAN MAYEN ISLAND REGION		
	28	07 12 53 3<	24 141 S	67 131 W	191 <	4.4			1 0	11	CHILE-ARGENTINA BORDER REGION		
	28	07 31 25 27	29 15 S	178 89 E	556 ?	4 8			1 1	16	SOUTH OF FIJI ISLANDS		
	28	08 38 51 2	3 399 S	69 416 W	125 <	4 4			0 9	22	MENDOZA PROVINCE, ARGENTINA		
	28	09 56 39 17	25.12 N	109 44 W	10 G	3 8			1 4	17	GULF OF CALIFORNIA		
	28	10 03 26 78	59 516 N	153 581 W	117					19	SOUTHERN ALASKA <AGS-P>.		
	28	10 14 04 1%	39 416 N	28 298 E	10 G				0 6	6	TURKEY		
	28	11 01 25 5<	29 219 S	168 593 E	33 N				1 2	10	LOYALTY ISLANDS		
	28	12 01 21 00	60 315 N	152 246 W	81					24	SOUTHERN ALASKA <AGS-P>.		
	28	12 16 21 2	42 732 N	24 227 E	10 G				0 8	6	BULGARIA		
	28	12 27 35 67	12 26 S	77 43 W	33 N				0 4	4	NEAR COAST OF PERU. Felt (II) at Lima.		
	28	13 20 00 4<	51 234 N	176 876 W	33 N	4 8			0 8	11	ANDREANOF ISLANDS, ALEUTIAN IS.		
<	28	13 33 44 3	19 960 N	115 881 W	10 G	5 5 5 1			1 1	163	EAST CENTRAL PACIFIC OCEAN. Ms 4.9 (PAS).		
	28	14 03 00 4	39 469 N	28 411 E	10 G				1 1	18	TURKEY		
	28	14 30 20 7<	7 377 S	129 498 E	33 N				1 5	6	BANDA SEA		
<	28	14 42 06 2	9 844 N	126 719 E	57	5 3 4 5			1 2	89	MINDANAO, PHILIPPINE ISLANDS. Felt (II MF) at Cagayan de Oro.		
	28	15 06 39 2	27 682 N	140 843 E	33 N	4 9			1 0	23	BONIN ISLANDS REGION		
	28	15 51 51 2	6 325 S	149 035 E	61	5 3			0 9	44	NEW BRITAIN REGION		
	28	16 31 15 9	43 189 N	26 134 E	10 G				1 4	7	BULGARIA		
	28	16 46 02 6<	36 691 S	73 692 W	33 N	4 6			1 0	11	NEAR COAST OF CENTRAL CHILE. Felt (II) at Concepcion.		
	28	17 29 57 3%	39 425 N	28 398 E	10 G				0 4	8	TURKEY		
	28	17 45 56 2	18 833 N	62 268 W	10 G	4 1			1 1	16	LEEWARD ISLANDS. ML 4.4 (FDF). Felt (II) on St. Barthelemy.		
	28	17 51 57 17	59 35 N	6 77 E	10 G				0 9	6	SOUTHERN NORWAY. MD 2.4 (BER).		
	28	17 59 23 8<	9 425 N	126 748 E	33 N	4 7			1 4	9	MINDANAO, PHILIPPINE ISLANDS		
<	28	18 54 29 7	6 632 S	155 870 E	175	5.2			0 9	142	SOLOMON ISLANDS. Felt (III) at Panguna, Bougainville.		
	28	19 44 24 57	57 38 S	25 85 W	33 N	4 6			1 4	9	SOUTH SANDWICH ISLANDS REGION		
	28	20 07 28 37	34 27 N	25.14 E	33 N	3 6			1 3	11	CRETE		
	28	22 04 20 7<	44 359 N	149 695 E	33 N	4 8			0 8	27	KURIL ISLANDS		
	28	22 20 06 7<	41 135 N	143 278 E	33 N	4 1			1 0	12	HOKKAIDO, JAPAN REGION. Felt at Hachinohe, Honshu.		
	28	23 07 50 0	39 462 N	28 368 E	10 G				0 9	14	TURKEY		
	29	01 31 30 3	45 222 N	5 638 E	10 G				0 8	21	FRANCE. ML 2.8 (LDG).		
	29	02 40 11 2	59 119 N	152 163 W	61	4 5			1 1	79	SOUTHERN ALASKA. Felt at Homer and Seldovia		
	29	03 56 13 68	59 046 N	152.111 W	57					10	SOUTHERN ALASKA <AGS-P>.		
	29	04 58 18 2<	29 721 S	72 068 W	33 N				1 0	14	OFF COAST OF CENTRAL CHILE		
	29	05 39 41 4<	16 038 S	176 072 W	365 ?	4 9			0 5	21	FIJI ISLANDS REGION		
	29	06 09 09 88	62 468 N	152 292 W	120					18	CENTRAL ALASKA <AGS-P>.		
	29	06 13 27 6<	9 510 S	159 415 E	33 N	4 2			1 5	8	SOLOMON ISLANDS		
	29	06 21 48 37	2.81 S	130 26 E	33 N	4 7			1 2	5	CERAM		
	29	06 24 35 7	41 921 N	23 146 E	10 G				1 3	15	GREECE-BULGARIA BORDER REGION. Felt (IV) at Blagoevgrad, Bulgaria		
	29	07 01 26 77	48 76 N	152 34 E	33 N	4 7			0 8	18	KURIL ISLANDS		
	29	07 35 47 4<	19 956 S	178 352 W	596 <	4 8			0 4	11	FIJI ISLANDS REGION		
	29	09 00 07 0	50 761 N	14 449 E	10 G				0 9	8	CZECHOSLOVAKIA. ML 3.6 (VKA), 3.1 (GRF).		
	29	09 22 15 3	51 082 N	157 458 E	33 N	4 7			0 8	36	NEAR EAST COAST OF KAMCHATKA		
	29	10 32 23 4	21 767 S	68 600 W	126	4 8			1 4	37	CHILE-BOLIVIA BORDER REGION		
	29	11 30 55 8	28 563 N	140 706 E	33 N	4 8			1 1	36	BONIN ISLANDS REGION		
	29	11 49 31 5	50 184 N	29 166 W	10 G	4 8 4 8			1 0	93	NORTH ATLANTIC RIDGE		
	29	14 40 23 6%	37 942 N	27 288 E	10 G				0 3	5	TURKEY		
	29	15 11 42 97	43 84 N	24 84 E	10 G				0 5	5	BULGARIA		
	29	15 21 35 2	30 145 N	138 697 E	425	4 6			0 5	18	SOUTH OF HONSHU, JAPAN		
	29	15 22 47 1	17 958 N	105 866 W	33 N	4 4			1 2	40	OFF COAST OF JALISCO, MEXICO		
	29	15 42 46 0	32 623 S	70 863 W	80 <				0 7	18	CHILE-ARGENTINA BORDER REGION		
	29	16 28 07 07	7 44 S	129 56 E	118 ?				1 4	6	BANDA SEA		
	29	17 03 48 6%	15 958 N	60 687 W	10 G				0 5	7	LEEWARD ISLANDS. ML 2.8 (FDF).		
	29	17 45 23 4%	38 842 N	27 554 E	10 G				0 8	5	TURKEY		
	29	18 26 07 3%	29 662 S	68 889 W	33 N				0 6	5	SAN JUAN PROVINCE, ARGENTINA		
	29	18 42 07 3	34 649 N	137 149 E	311	4 7			0 9	48	NEAR S. COAST OF HONSHU, JAPAN		
	29	19 18 43 7	51 666 N	175 344 W	33 N	4 9			0 9	101	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt on Adak and Atka.		
	29	19 41 17 6<	41 135 N	22 887 E	10 G				0 9	5	YUGOSLAVIA		
	29	19 58 58 1	45 658 N	4 964 E	10 G				1 2	17	FRANCE. ML 3.3 (LDG).		
<	29	20 00 31 8	36 288 N	70 800 E	117 <	4 9			1 2	44	HINDU KUSH REGION. Felt (II) at Khorog, USSR.		
	29	20 31 19 7	16 955 N	98 733 W	36 D	5 2 4 2			1 1	104	NEAR COAST OF GUERRERO, MEXICO. Felt (III) at Mexico City. Felt slightly at Oaxaca.		
	29	20 39 37 27	5 34 S	102 20 E	33 N				0 9	7	SOUTHERN SUMATERA		
	29	20 58 23 7<	30 252 S	71 157 W	118 ?				0 9	16	NEAR COAST OF CENTRAL CHILE		
	29	21 42 44 9<	16 597 N	99 025 W	33 N	4 0			0 9	15	NEAR COAST OF GUERRERO, MEXICO		
	29	21 56 00 97	44 26 N	148 35 E	33 N	4 5			1 0	19	KURIL ISLANDS		
	29	22 26 45 9<	15 057 S	66 883 E	10 G	4 9			0 9	26	MID-INDIAN RISE		
	29	22 57 54 5	19 662 S	178 749 E	412 <	4 9			1 4	44	SOUTH OF FIJI ISLANDS		
	29	23 32 44 6	46 124 N	5.745 E	10 G				1 1	5	FRANCE. ML 2.2 (LDG).		
	29	23 32 59 4<	34 970 N	139 789 E	33 N				1 4	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) on Oshima.		
	30	00 52 12 0<	51 286 N	175 302 W	33 N	4 8			1 0	24	ANDREANOF ISLANDS, ALEUTIAN IS.		
	30	01 03 48 0	36 989 N	121 299 W	5 G				0 7	13	CENTRAL CALIFORNIA. ML 2.7 (BRK).		
	30	01 24 34 6	1.651 S	86 234 E	10 G	5 0			0 8	41	SOUTH INDIAN OCEAN		
	30	02 11 07 1<	35.133 N	44 444 E	5 G	4 3			1 8	5	IRAQ		
	30	02 13 28 67	19.98 S	178.81 E	607 ?	4 1			0 6	9	SOUTH OF FIJI ISLANDS		
	30	02 23 31.1<	30.035 S	177.725 W	56 D	4 7			1 5	18	KERMADEC ISLANDS		

	30	02 28 04 9*	33.450 S	71.742 W	33 N				0.4	11	NEAR COAST OF CENTRAL CHILE
	30	03 59 21 8*	51.652 N	173.143 W	33 W	4.5			0.7	12	ANDREANOF ISLANDS, ALEUTIAN IS
	30	04 15 10 8	43.229 N	87.821 E	33 N	4.8			0.8	25	NORTHERN XINJIANG, CHINA
	30	05 12 38 57 27.32	S	73.22 W	33 N	4.4			0.6	8	OFF COAST OF NORTHERN CHILE
	30	05 38 00 1* 2.389	N	97.291 E	33 N				1.1	7	NORTHERN SUMATERA
	30	05 39 25 10 60.253	N	152.648 W	195					18	SOUTHERN ALASKA <AGS-P>
	30	06 07 51 7* 41.112	N	22.927 E	10 G				1.3	7	YUGOSLAVIA
	30	06 14 35.5 10.773	N	85.953 W	33 *	4.7 4.8			1.1	67	COSTA RICA
	30	07 04 25.2% 40.140	N	29.284 E	10 G				0.7	8	TURKEY
	30	07 33 18.0 42.388	N	18.940 E	10 G				1.0	9	YUGOSLAVIA ML 2.8 (TTG)
o	30	08 02 48.3 10.931	S	162.412 E	61	5.5			1.0	124	SOLOMON ISLANDS
	30	08 22 19.7% 39.128	N	27.618 E	10 G				0.3	9	TURKEY
	30	08 27 48.8 42.369	N	18.935 E	10 G				1.0	15	YUGOSLAVIA MD 3.3 (TTG). Felt (IV) at Budva and Cetinje
	30	08 47 48.3 71.687	N	2.486 W	10 G	4.7 4.3			0.9	57	JAN MAYEN ISLAND REGION
	30	09 11 10.9* 6.301	S	150.606 E	10 G				1.7	5	NEW BRITAIN REGION
	30	09 26 14.6? 15.18	S	173.84 W	33 N	4.5			0.9	14	TONGA ISLANDS
	30	10 13 32 9% 39.989	N	27.618 E	10 G				0.4	5	TURKEY
	30	11 22 24.2 37.893	N	4.184 W	10 G				1.2	18	SPAIN MG 3.9 (MDD). Felt (IV) at Loja and (III) at Malaga
	30	12 44 41 6* 24.695	N	121.617 E	33 N	3.9			1.0	12	TAIWAN
	30	14 26 08.2 10.531	N	62.566 W	122	4.3			1.0	25	NEAR COAST OF VENEZUELA
	30	14 36 53 9* 24.277	S	179.551 E	607 ?	4.4			0.8	14	SOUTH OF FIJI ISLANDS
	30	14 50 37.7* 2.477	N	97.329 E	59 ?				1.4	9	NORTHERN SUMATERA
	30	16 03 59.5 38.349	N	39.116 E	10 G	3.9			0.5	7	TURKEY
	30	16 22 41 4? 45.19	N	23.98 W	10 G	4.3			1.4	9	NORTH ATLANTIC RIDGE
	30	16 30 13.6% 37.992	N	27.273 E	10 G				0.9	7	TURKEY
	30	16 34 54.3* 44.220	S	39.854 E	10 G	5.0			1.4	22	PRINCE EDWARD ISLANDS REGION
	30	17 24 58.2 21.898	S	139.026 W	0 G	5.7 4.3			0.8	120	TUAMOTU ARCHIPELAGO REGION
	30	17 59 26.7% 37.989	N	27.523 E	10 G				1.1	5	TURKEY
	30	18 33 29.5 6.131	S	122.745 E	53 *	5.3 4.2			1.3	59	FLORES SEA
	30	22 05 44 4? 9.23	S	121.86 E	185 ?	3.8			1.7	6	SAVU SEA
	30	22 24 47.5& 31.423	N	116.743 W	8 G					4	BAJA CALIFORNIA <ECX-P> MD 2.4 (ECX)
	30	22 34 22.6 51.620	N	7.728 E	10 G				0.8	15	GERMANY ML 2.7 (BNS)
	31	00 20 20 1% 42.320	N	18.956 E	10 G				0.3	6	YUGOSLAVIA ML 2.3 (TTG)
	31	01 42 40.1& 34.110	N	116.610 W	10					12	SOUTHERN CALIFORNIA <PAS-P> ML 3.5 (PAS)
	31	02 04 53.2? 0.07	N	100.26 E	33 N	4.5			1.4	8	NORTHERN SUMATERA
	31	02 58 19.3* 6.696	S	132.103 E	33 N	5.3			0.8	8	TANIMBAR ISLANDS REGION
o	31	03 40 07.4 43.300	N	145.614 E	81 D	5.4			1.0	256	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Nemuro and Kushiro, (II JMA) at Miyako, Honshu. Also felt at Hachinohe and Morioka, Honshu. Felt (V) at Yuzhno-Kurilsk and on Shikotan, Kuril Islands
	31	03 53 58.2* 14.145	N	61.261 W	14 *				0.4	6	WINDWARD ISLANDS ML 2.8 (FDF)
	31	04 26 26.6* 14.939	S	177.146 W	33 N	4.5 5.1			1.1	25	FIJI ISLANDS REGION
o	31	05 36 38.1 57.334	S	147.519 E	10 G	5.1 5.6			0.7	22	WEST OF MACQUARIE ISLAND
	31	05 45 17.3? 35.79	N	4.62 W	10 G				1.4	5	STRAIT OF GIBRALTAR
	31	07 28 58.7* 10.610	N	125.998 E	66 ?	4.8			1.2	24	LEYTE, PHILIPPINE ISLANDS
	31	08 47 07.2& 36.625	N	121.277 W	6					20	CENTRAL CALIFORNIA <BRK> ML 3.3 (BRK)
	31	08 47 56.1& 36.570	N	121.327 W	5	4.6 3.7				32	CENTRAL CALIFORNIA <BRK> ML 4.8 (BRK). Felt (IV) at Castroville, Freedom, Prunedale, Salinas, Seaside and Pine Pines. Felt (III) at Big Sur, Carmel, Moss Landing and Watsonville.
	31	09 27 06.9? 45.79	N	27.63 W	10 G	4.2			0.7	13	NORTH ATLANTIC RIDGE
	31	09 47 27.3* 47.893	N	7.484 E	10 G				0.2	5	SWITZERLAND
	31	10 34 46.3& 62.137	N	149.422 W	53					19	CENTRAL ALASKA <AGS-P>
	31	10 43 46.0 44.475	N	10.696 E	10 G				1.2	33	NORTHERN ITALY ML 3.7 (KBA), 3.5 (LDG). MD 3.4 (TRI)
	31	12 45 55.2* 17.492	S	179.012 W	573 *	5.0			0.9	32	FIJI ISLANDS REGION
	31	12 56 18.2? 0.39	N	30.55 W	10 G	4.4			1.6	8	CENTRAL MID-ATLANTIC RIDGE
	31	13 25 30.0? 4.97	N	75.62 W	10 G				1.8	5	COLOMBIA. Felt at Chinchina and Manizales.
	31	13 58 38.1? 16.48	N	61.22 W	10 G				1.1	5	LEEWARD ISLANDS ML 2.8 (PAG)
	31	14 12 00.1? 2.55	N	124.27 E	33 N				0.8	8	CELEBES SEA
	31	14 49 21.4 42.270	N	19.587 E	10 G				0.5	6	YUGOSLAVIA ML 2.2 (TTG)
	31	14 51 07.7 42.279	N	19.564 E	10 G	3.2			0.7	20	YUGOSLAVIA ML 3.3 (TTG)
	31	14 51 27.9 36.635	N	121.261 W	5 G				0.8	12	CENTRAL CALIFORNIA ML 2.6 (BRK)
	31	14 58 38.5 42.348	N	18.920 E	10 G				1.4	7	YUGOSLAVIA ML 2.2 (TTG)
	31	15 09 29.4 19.222	S	69.887 W	96 *	4.2			1.2	19	NORTHERN CHILE
	31	15 56 03.5? 6.96	S	150.04 E	10 G	5.4			0.8	5	NEW BRITAIN REGION
	31	16 30 46.9* 7.884	S	151.048 E	33 N	5.1			1.1	28	NEW BRITAIN REGION
	31	17 13 31.9 31.374	S	69.868 W	152 ?				0.7	15	SAN JUAN PROVINCE, ARGENTINA
	31	20 26 01.6* 38.681	N	20.260 E	10 G				0.5	6	GREECE ML 3.7 (ATH)
	31	20 38 14.4? 19.06	S	118.20 E	33 N				1.5	8	WESTERN AUSTRALIA
	31	20 58 29.1 44.488	N	10.669 E	10 G				1.2	39	NORTHERN ITALY ML 3.7 (KBA), 3.7 (LDG). MD 3.6 (TRI)
	31	21 18 04.6? 28.85	N	131.48 E	33 N	4.1			0.4	6	RYUKYU ISLANDS REGION
	31	21 53 55.9? 51.34	N	175.73 W	33 N	4.3			0.5	5	ANDREANOF ISLANDS, ALEUTIAN IS
	31	22 13 07.0 18.589	S	177.797 W	578	4.9			0.8	92	FIJI ISLANDS REGION
	31	23 07 57.5? 16.01	N	98.65 W	33 N	3.9			0.7	6	NEAR COAST OF GUERRERO, MEXICO
	31	23 08 34.4 44.446	N	10.765 E	33 N	3.6			1.2	82	NORTHERN ITALY ML 4.4 (FUR), 4.1 (LDG). MD 4.0 (TRI)
	31	23 30 35.6? 31.18	S	177.65 W	33 N	5.1			1.2	10	KERMADEC ISLANDS REGION
	31	23 37 17.4? 29.42	S	176.82 W	33 N	4.7			0.9	6	KERMADEC ISLANDS REGION

ADDITIONAL SOURCE PARAMETERS

01 17 21 24.15 15.149S 174.379W 33km
5.2mb (17 obs) 5.5Msz (11 obs)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 165, 37C
Centroid Location:
Origin Time 17:21:27.1 0.2
Lat 15.185 0.02 Lon 174.439 0.02
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 6.21 Plg=13 Azm=137
N -0.21 66 17
P -6.00 20 232
Best Double Couple Mo=6.1e10**24
NP1:Strike=274 Dip=67 Slip= -5
NP2: 6 85 -157

01 19 31 40.22 21.861S 178.228E 52km
5.8mb (26 obs) 5.8Msz (7 obs)
LOYALTY ISLANDS REGION
FAULT PLANE SOLUTION P-Waves
NP1:Strike=103 Dip=74 Slip= 90
NP2: 283 16 90
Principal Axes:
T Plg=61 Azm= 13
P 29 193
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2
MOMENT TENSOR SOLUTION
Dep 37 No. of sta: 7
Principal Axes:
Scale 10**25 d-cm
T Val= 1.38 Plg=39 Azm=349
N 0.03 49 151
P -1.40 9 252
Best Double Couple:Mo=1.4e10**25
NP1:Strike= 23 Dip=56 Slip= 156
NP2: 127 71 36
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 185, 40C
Centroid Location:
Origin Time 19:31:47.6 0.2
Lat 21.875 0.03 Lon 169.88E 0.02
Dep 44.2 2.1 Half-duration 4.2
Principal Axes:
Scale 10**25 D-CM
T Val= 1.62 Plg=28 Azm=320
N -0.03 53 95
P -1.59 22 217
Best Double Couple:Mo=1.6e10**25
NP1:Strike=357 Dip=53 Slip= 175
NP2: 90 86 37

02 03 18 37.48 28.017N 53.303E 33km
5.5mb (83 obs) 4.9Msz (8 obs)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 175, 36C
Centroid Location:
Origin Time 03:18:49.1 0.4
Lat 28.03N 0.06 Lon 53.02E 0.06
Dep 15.0 BDY Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.68 Plg=66 Azm=304
N -0.58 24 131
P -2.10 2 40
Best Double Couple:Mo=2.4e10**24
NP1:Strike=107 Dip=47 Slip= 57
NP2: 331 52 121

02 10 30 02.85 55.172N 163.843E 15km
6.0mb (84 obs) 5.9Msz (29 obs.)
OFF EAST COAST OF KAMCHATKA
FAULT PLANE SOLUTION P-Waves
NP1:Strike=315 Dip=90 Slip= 170
NP2: 45 80 360
Principal Axes:
T Plg= 7 Azm=270
P 7 0
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 19
Principal Axes:
Scale 10**26 d-cm
T Val= 1.78 Plg= 2 Azm=279
N -0.06 87 51
P -1.72 2 189
Best Double Couple Mo=1.8e10**26
NP1:Strike=324 Dip=87 Slip=-180
NP2: 234 90 -3
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 195, 45C
Centroid Location:
Origin Time 10:30:10.4 0.1
Lat 55.42N 0.03 Lon 163.53E 0.04
Dep 23.5 1.8 Half-duration 4.3
Principal Axes:
Scale 10**25 D-CM
T Val= 2.07 Plg= 3 Azm=272
N -0.72 66 175
P -1.35 24 3
Best Double Couple:Mo=1.7e10**25
NP1:Strike= 45 Dip=71 Slip= -15
NP2: 140 75 -160

03 10 37 41.77 28.025N 53.356E 27km
5.4mb (78 obs) 4.5Msz (5 obs)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 29C
Centroid Location:
Origin Time 10:37:43.2 0.8
Lat 27.99N 0.13 Lon 53.00E 0.10
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 7.49 Plg=68 Azm=270
N 0.12 16 136
P -7.61 15 42
Best Double Couple:Mo=7.6e10**23
NP1:Strike=111 Dip=33 Slip= 60
NP2: 325 62 108

04 20 30 44.79 48.921S 108.590E 10km
5.1mb (6 obs) 5.2Msz (1 obs.)
SOUTHEAST INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 27C
Centroid Location:
Origin Time 20:30:44.0 0.7
Lat 49.17S 0.08 Lon 109.16E 0.11
Dep 15.0 Fix Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 9.11 Plg=10 Azm=210
N -0.98 2 119
P -8.13 80 21
Best Double Couple:Mo=8.6e10**23
NP1:Strike=302 Dip=35 Slip= -87
NP2: 118 55 -92

05 03 35 38.83 37.993N 37.806E 10km
5.0mb (69 obs.) 5.0Msz (13 obs)
TURKEY
FAULT PLANE SOLUTION P-Waves
NP1:Strike= 83 Dip=87 Slip= 23
NP2: 352 67 177
Principal Axes:
T Plg=18 Azm=310
P 14 215
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 13
Principal Axes:
Scale 10**25 d-cm
T Val= 1.20 Plg= 2 Azm=127
N 0.08 84 18
P -1.28 6 217

05 05 46 37.48 18.156N 102.657W 38km
5.6mb (81 obs) 5.5Msz (10 obs)
MICHOACAN, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 28C
Centroid Location:
Origin Time 05:46:39.3 0.5
Lat 18.05N 0.05 Lon 102.69W 0.05
Dep 20.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM
T Val= 8.97 Plg=64 Azm= 43
N 0.79 9 293
P -9.76 24 199
Best Double Couple:Mo=9.4e10**24
NP1:Strike=271 Dip=23 Slip= 66
NP2: 117 69 100

05 06 30 16.87 58.900S 24.728W 10km
5.0mb (8 obs) 5.4Msz (1 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 20C
Centroid Location:
Origin Time 06:30:29.5 0.8
Lat 58.67S FIX;Lon 24.84W FIX
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 2.38 Plg=72 Azm=303
N -1.03 8 187
P -1.34 18 95
Best Double Couple:Mo=1.9e10**24
NP1:Strike=173 Dip=30 Slip= 74
NP2: 11 61 99

05 09 44 27.48 58.782S 24.855W 33km
5.2mb (16 obs.) 5.2Msz (3 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 175, 39C
Centroid Location:
Origin Time 09:44:33.5 0.3
Lat 58.64S 0.04 Lon 24.64W 0.08
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 4.33 Plg=62 Azm=289
N 0.06 9 182
P -4.39 26 87
Best Double Couple:Mo=4.4e10**24
NP1:Strike=157 Dip=20 Slip= 63
NP2: 5 72 99

05 10 32 08.48 58.711S 24.850W 33km
5.4mb (15 obs.) 5.3Msz (3 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 175, 39C
Centroid Location:
Origin Time 10:32:15.6 0.3
Lat 58.74S 0.04 Lon 24.67W 0.08
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 5.87 Plg=65 Azm=276
N 0.32 4 176
Best Double Couple Mo=1.2e10**25
NP1:Strike=282 Dip=85 Slip= -3
NP2: 352 87 -175
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 175, 37C
Centroid Location:
Origin Time 03:35:41.7 0.4
Lat 37.72N 0.05 Lon 37.78E 0.05
Dep 15.0 BDY Half-duration 3.8
Principal Axes:
Scale 10**25 D-CM
T Val= 1.42 Plg=30 Azm=116
N 0.00 53 334
P -1.41 19 217
Best Double Couple:Mo=1.4e10**25
NP1:Strike=268 Dip=54 Slip= 9
NP2: 164 82 144

P -6.19 25 84
Best Double Couple:Mo=6.8e+24
NP1:Strike=184 Dip=21 Slip= 77
NP2: 358 70 95

95 15 14 35.90 7.04S 155.975E 85km
5.6mb (34 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 15:14:38.7 0.4
Lat 7.45S 0.07 Lon 156.01E 0.04
Dep 85.4 4.4 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.98 Plg=33 Azm=149
N -0.10 47 15
P -1.88 24 256
Best Double Couple:Mo=1.9e+24
NP1:Strike=296 Dip=47 Slip= 8
NP2: 201 84 137

97 20 43 31.26 51.384N 174.809W 22km
6.1mb (93 obs.) 6.0Msz (20 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 60 Dip=78 Slip= 90
NP2: 240 20 90
Principal Axes:
T Plg=65 Azm=330
P 25 150
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Location:
Origin Time 20:43:35.8 0.2
Lat 51.60N 0.02 Lon 174.65W 0.04
Dep 23.1 1.4 Half-duration 5.0
Principal Axes:
Scale 10**25 D-CM
T Val= 2.63 Plg=68 Azm=315
N 0.15 6 60
P -2.78 21 152
Best Double Couple:Mo=2.7e+25
NP1:Strike=253 Dip=25 Slip= 104
NP2: 58 66 84

97 22 47 10.87 51.520N 174.776W 33km
6.4mb (96 obs.) 7.7Msz (10 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 58 Dip=78 Slip= 90
NP2: 238 12 90
Principal Axes:
T Plg=57 Azm=328
P 33 148
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
M.W.: 20S, 56C
Centroid Location:
Origin Time 22:47:44.6 0.2
Lat 51.33N 0.01 Lon 175.43W 0.03
Dep 31.3 0.8 Half-duration 34.7
Principal Axes:
Scale 10**27 D-CM
T Val= 10.34 Plg=67 Azm=346
N 0.04 2 251
P -10.37 23 160
Best Double Couple:Mo=1.0e+28
NP1:Strike=246 Dip=22 Slip= 85
NP2: 72 68 92

97 23 51 01.93 51.469N 174.886W 33km
5.6mb (54 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 55 Dip=75 Slip= 90
NP2: 235 15 90
Principal Axes:
T Plg=60 Azm=325
P 30 145

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

98 01 11 02.25 51.087N 176.687W 33km
5.0mb (68 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 60 Dip=70 Slip= 90
NP2: 240 20 90
Principal Axes:
T Plg=65 Azm=330
P 25 150
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

98 05 37 20.26 51.338N 175.363W 18km
6.0mb (74 obs.) 6.2Msz (20 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 60 Dip=70 Slip= 90
NP2: 240 20 90
Principal Axes:
T Plg=65 Azm=330
P 25 150
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 41C
Centroid Location:
Origin Time 05:37:25.6 0.4
Lat 51.55N 0.04 Lon 175.06W 0.09
Dep 24.0 2.9 Half-duration 6.6
Principal Axes:
Scale 10**25 D-CM
T Val= 5.02 Plg=70 Azm=350
N 0.18 6 242
P -5.20 19 150
Best Double Couple:Mo=5.1e+25
NP1:Strike=229 Dip=27 Slip= 76
NP2: 65 64 97

98 14 37 35.93 4.627N 125.499E 166km
5.8mb (58 obs.)
TALAUD ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=337 Dip=84 Slip=-137
NP2: 241 47 -8
Principal Axes:
T Plg=24 Azm=101
P 34 209
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 118 No. of sta: 8
Principal Axes:
Scale 10**25 d-cm
T Val= 4.64 Plg=45 Azm= 85
N -0.07 1 354
P -4.58 45 263
Best Double Couple:Mo=4.6e+25
NP1:Strike=251 Dip= 1 Slip= -13
NP2: 354 90 -91
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centroid Location:
Origin Time 14:37:37.5 0.2
Lat 4.68N 0.02 Lon 125.47E 0.02
Dep 144.0 0.6 Half-duration 5.8
Principal Axes:
Scale 10**25 D-CM
T Val= 4.55 Plg=46 Azm= 91
N -0.10 12 348
P -4.45 41 248
Best Double Couple:Mo=4.5e+25
NP1:Strike=271 Dip=12 Slip= 13
NP2: 169 87 102

99 16 23 48.73 17.12IS 65.58SW 13km
5.0mb (69 obs.) 5.0Msz (11 obs.)
BOLIVIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 37C
Centroid Location:
Origin Time 16:23:59.8 0.2
Lat 18.76S 0.03 Lon 65.49W 0.03
Dep 15.0 DDT Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 0.88 Plg=84 Azm=290
N 1.37 1 153
P -0.25 6 63
Best Double Couple:Mo=7.9e+24
NP1:Strike=151 Dip=39 Slip= 88
NP2: 334 51 92

99 19 04 29.42 51.488N 174.243W 33km
5.8mb (73 obs.) 5.8Msz (21 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 40C
Centroid Location:
Origin Time 19:04:29.4 0.2
Lat 51.50N 0.03 Lon 174.39W 0.05
Dep 17.9 1.7 Half-duration 3.5
Principal Axes:
Scale 10**24 D-CM
T Val= 7.91 Plg=62 Azm=320
N 0.37 8 86
P -8.28 26 181
Best Double Couple:Mo=8.1e+24
NP1:Strike=270 Dip=20 Slip= 115
NP2: 64 72 81

10 02 00 23.78 23.559S 67.888W 131km
5.2mb (23 obs.)
CHILE-ARGENTINA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 02:00:33.2 0.9
Lat 23.51S 0.13 Lon 68.39W 0.12
Dep 170.7 4.2 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.31 Plg=25 Azm= 70
N -0.21 66 190
P -5.11 33 322
Best Double Couple:Mo=5.2e+23
NP1:Strike=109 Dip=47 Slip=-174
NP2: 15 85 -44

10 09 13 29.32 51.982N 175.084W 33km
5.0mb (52 obs.) 4.9Msz (3 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 09:13:35.4 0.4
Lat 52.19N 0.10 Lon 175.18W 0.08
Dep 34.6 4.6 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 4.71 Plg= 1 Azm= 85
N -0.21 9 355
P -4.50 81 188
Best Double Couple:Mo=4.6e+23
NP1:Strike=184 Dip=45 Slip= -77
NP2: 347 46 -102

10 09 53 01.27 8.592N 103.058W 10km
5.0mb (22 obs.) 5.4Msz (6 obs.)
OFF COAST OF MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centroid Location:
Origin Time 09:53:5.8 0.4
Lat 8.60N 0.04 Lon 103.19W 0.05
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.31 Plg=18 Azm=215
N 0.01 73 339
P -3.32 14 122
Best Double Couple:Mo=3.3e+24
NP1:Strike=259 Dip=73 Slip=-177
NP2: 168 87 -17

10 12 02 01.50 37.07S 94.68SW 10km
5.5mb (28 obs) 4.9Msz (3 obs)
WEST CHILE RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 12 02 3.3 0.4
Lat 37.53S 0.08 Lon 93.49W 0.07
Dep 15.0 Fix Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.92 Plg=15 Azm=197
N -0.18 6 15
P -1.74 74 284
Best Double Couple Mo=1.8*10**24
NP1:Strike=285 Dip=31 Slip= -78
NP2: 12 60 -97

11 01 24 25.79 26.743N 125.285E 194km
5.5mb (100 obs.)
NORTHEAST OF TAIWAN
FAULT PLANE SOLUTION, P-Waves
NP1:Strike= 30 Dip=73 Slip= -90
NP2: 210 17 -90
Principal Axes:
T Plg=28 Azm=120
P 62 300
Comment: The focal mechanism is well controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 215 No. of sta: 15
Principal Axes
Scale 10**25 d-cm
T Val= 9.95 Plg=20 Azm=114
N 0.60 1 204
P -9.95 70 296
Best Double Couple Mo=9.9*10**25
NP1:Strike=203 Dip=25 Slip= -92
NP2: 24 65 -89
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 36C W.W.: 12S, 26C
Centroid Location:
Origin Time 01 24 32.7 0.2
Lat 26.37N 0.01 Lon 125.21E 0.02
Dep 203.8 1.1 Half-duration 7.3
Principal Axes:
Scale 10**25 D-CM
T Val= 6.60 Plg=26 Azm=100
N 2.15 10 195
P -8.75 62 303
Best Double Couple Mo=7.7*10**25
NP1:Strike=169 Dip=21 Slip=-118
NP2: 18 72 -80

11 10 46 22.74 51.165N 176.094W 33km
5.0mb (45 obs.) 4.7Msz (4 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 10 46 26.7 0.9
Lat 51.56N 0.11 Lon 176.34W 0.21
Dep 15.0 Fix Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 9.96 Plg=54 Azm=320
N 0.04 6 57
P -10.00 36 152
Best Double Couple:Mo=1.0*10**24
NP1:Strike=269 Dip=11 Slip= 122
NP2: 57 81 84

11 19 48 31.04 51.544N 173.736W 33km
5.6mb (87 obs) 5.2Msz (18 obs)
ANDREANOF ISLANDS, ALEUTIAN IS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centroid Location:
Origin Time 19 48 34.9 0.3
Lat 51.79N 0.03 Lon 173.73W 0.05
Dep 16.4 1.8 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 3.90 Plg=62 Azm=323
N 0.17 4 60
P -4.07 28 152

Best Double Couple Mo=4.8*10**24
NP1:Strike=252 Dip=17 Slip= 102
NP2: 59 73 86

11 22 48 45.84 51.520N 174.678W 33km
5.5mb (74 obs) 5.2Msz (12 obs)
ANDREANOF ISLANDS, ALEUTIAN IS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 22 48 48.2 0.3
Lat 51.58N 0.03 Lon 174.58W 0.06
Dep 15.8 2.0 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.59 Plg=62 Azm=326
N 0.12 4 64
P -3.62 27 156
Best Double Couple Mo=3.6*10**24
NP1:Strike=256 Dip=18 Slip= 103
NP2: 62 72 86

12 03 47 37.91 51.418N 174.671W 33km
5.3mb (57 obs) 4.8Msz (7 obs)
ANDREANOF ISLANDS, ALEUTIAN IS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 03 47 48.2 0.5
Lat 51.47N 0.05 Lon 174.96W 0.14
Dep 15.0 Fix Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.84 Plg=57 Azm=303
N -0.07 13 53
P -1.77 30 150
Best Double Couple Mo=1.8*10**24
NP1:Strike=275 Dip=19 Slip= 133
NP2: 58 77 77

13 08 44 02.14 41.431N 42.737E 10km
5.7mb (84 obs) 5.4Msz (10 obs)
TURKEY-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 34C
Centroid Location:
Origin Time 08 44 5.8 0.3
Lat 41.03N 0.03 Lon 43.92E 0.04
Dep 15.0 Fix Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Val= 4.76 Plg= 6 Azm=102
N 0.42 79 335
P -5.18 8 193
Best Double Couple Mo=5.0*10**24
NP1:Strike=237 Dip=80 Slip= -1
NP2: 328 89 -170

13 09 56 36.72 20.646S 174.113W 33km
5.4mb (22 obs) 5.5Msz (6 obs)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 09 56 41.4 0.5
Lat 21.09S 0.05 Lon 173.77W 0.05
Dep 35.0 BDY Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.86 Plg=64 Azm=252
N 0.24 11 5
P -3.11 23 108
Best Double Couple:Mo=3.0*10**24
NP1:Strike=211 Dip=24 Slip= 118
NP2: 1 69 78

13 14 51 10.13 9.864S 109.144W 10km
5.1mb (9 obs.) 5.0Msz (5 obs.)
NORTHERN EASTER I. CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 14 51 17.7 0.3
Lat 9.07S 0.05 Lon 108.96W 0.06
Dep 15.0 Fix Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.24 Plg=39 Azm=138
N 0.01 49 295
P -2.05 11 38
Best Double Couple Mo=1.6*10**24
NP1:Strike=178 Dip=84 Slip= 157
NP2: 274 72 38

13 22 00 00.77 22.636N 141.628E 48km
5.4mb (53 obs) 5.0Msz (7 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 22 00 10.3 0.3
Lat 32.36N 0.03 Lon 141.73E 0.03
Dep 15.0 BDY Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 6.36 Plg=75 Azm=252
N 1.26 9 17
P -7.62 12 109
Best Double Couple Mo=7.0*10**24
NP1:Strike=211 Dip=34 Slip= 106
NP2: 11 58 79

14 01 58 30.98 51.531N 173.492W 33km
5.5mb (86 obs) 4.7Msz (7 obs)
ANDREANOF ISLANDS, ALEUTIAN IS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 24C
Centroid Location:
Origin Time 01 58 34.4 0.7
Lat 51.80N 0.08 Lon 173.89W 0.12
Dep 15.0 Fix Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 12.84 Plg=65 Azm=356
N 0.04 10 243
P -12.89 23 149
Best Double Couple:Mo=1.2*10**24
NP1:Strike=219 Dip=24 Slip= 64
NP2: 67 68 101

14 03 04 06.59 1.486N 127.837E 78km
5.6mb (42 obs)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 03 04 13.6 0.6
Lat 1.58N 0.05 Lon 126.94E 0.08
Dep 101.3 6.4 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 12.38 Plg=42 Azm=108
N 0.51 21 218
P -12.89 40 327
Best Double Couple:Mo=1.3*10**24
NP1:Strike=125 Dip=21 Slip= 177
NP2: 217 89 69

14 04 02 31.68 51.485N 178.474W 33km
5.4mb (65 obs.) 4.6Msz (4 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 04 02 35.4 0.7
Lat 51.41N 0.06 Lon 178.63W 0.15
Dep 46.1 5.5 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 10.44 Plg=59 Azm=277
N -0.43 26 59
P -10.01 17 157
Best Double Couple:Mo=1.0*10**24
NP1:Strike=288 Dip=36 Slip= 138
NP2: 47 66 62

14 11 10 21.51 23.466S 115.051W 10km
5.2mb (7 obs.) 4.4Msz (1 obs.)
EASTER ISLAND CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 11 10 27.9 0.9
Lat 23.98S 0.11 Lon 114.48W 0.12
Dep 15.0 FIX Half-duration 1.4
Principal Axes:

Scale 10**23 D-CM
T Val= 7.06 Plg=12 Azm=302
N -1.42 72 171
P -5.64 13 36
Best Double Couple Mo=6.4*10**23
NP1:Strike= 78 Dip=72 Slip= -1
NP2: 168 89 -162

14 12 24 23.18 20.642S 178.708W 621km
5.1mb (19 obs)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 75, 10C
Centroid Location:
Origin Time 12:24:33.1 1.9
Lat 20.38S 0.24 Lon 178.99W 0.21
Dep 645.6 13.5 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 3.81 Plg=24 Azm=209
N 0.57 11 113
P -4.38 63 0
Best Double Couple:Mo=4.1*10**23
NP1:Strike=321 Dip=23 Slip= -80
NP2: 109 70 -102

14 13 56 09.94 14.883S 167.252E 141km
5.2mb (22 obs)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 95, 19C
Centroid Location:
Origin Time 13:56:11.4 0.9
Lat 15.17S 0.10 Lon 166.93E 0.09
Dep 121.2 3.9 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.99 Plg=51 Azm=157
N 0.28 35 6
P -8.28 14 265
Best Double Couple:Mo=8.1*10**23
NP1:Strike=317 Dip=44 Slip= 33
NP2: 202 68 129

14 22 53 58.27 14.787S 175.432W 33km
5.2mb (15 obs) 5.1Msz (1 obs)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 33C
Centroid Location:
Origin Time 22:54: 1.6 0.4
Lat 14.71S 0.04 Lon 175.34W 0.04
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.14 Plg= 1 Azm=315
N -0.25 80 49
P -1.89 10 225
Best Double Couple:Mo=2.0*10**24
NP1:Strike= 0 Dip=83 Slip=-173
NP2: 269 84 -7

15 06 38 37.98 52.294N 174.726W 33km
5.7mb (78 obs.) 6.4Msz (18 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 35C M.W.: 115, 27C
Centroid Location:
Origin Time 06:38:41.7 0.2
Lat 52.51N 0.02 Lon 174.73W 0.03
Dep 15.0 FIX Half-duration 6.0
Principal Axes:
Scale 10**25 D-CM
T Val= 4.41 Plg=15 Azm= 20
N 0.07 67 250
P -4.48 17 115
Best Double Couple:Mo=4.4*10**25
NP1:Strike=157 Dip=67 Slip= -1
NP2: 248 89 -157

15 09 34 05.77 52.217N 174.527W 33km
5.2mb (43 obs.) 5.3Msz (3 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 28C
Centroid Location:
Origin Time 09:34: 6.5 0.5
Lat 52.41N 0.08 Lon 174.74W 0.11
Dep 28.9 0.1 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 2.77 Plg= 7 Azm=212
N 0.73 59 313
P -3.50 30 118
Best Double Couple:Mo=3.1*10**24
NP1:Strike=259 Dip=84 Slip=-163
NP2: 167 74 -27

15 14 38 09.27 29.627N 69.363E 18km
5.2mb (45 obs.)
PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 24C
Centroid Location:
Origin Time 14 38 12.8 0.6
Lat 29.54N 0.08 Lon 69.11E 0.11
Dep 15.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.45 Plg=58 Azm=274
N 3.97 24 36
P -11.42 29 141
Best Double Couple:Mo=9.4*10**23
NP1:Strike=278 Dip=27 Slip= 154
NP2: 31 79 65

16 16 51 12.31 47.284N 154.109E 25km
5.8mb (85 obs) 5.5Msz (18 obs)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 185, 36C
Centroid Location:
Origin Time 16:51:16.9 0.2
Lat 47.34N 0.02 Lon 154.06E 0.03
Dep 21.0 BDY Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 6.51 Plg=72 Azm=285
N 0.42 4 26
P -6.93 18 117
Best Double Couple:Mo=6.7*10**24
NP1:Strike=213 Dip=27 Slip= 98
NP2: 24 63 86

17 16 20 22.23 52.327N 174.504W 26km
5.8mb (84 obs.) 6.6Msz (23 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION P-Waves
NP1:Strike=160 Dip=82 Slip= 5
NP2: 69 85 172
Principal Axes:
T Plg= 9 Azm= 24
P 2 115
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 42 No. of sta: 19
Principal Axes:
Scale 10**25 d-cm
T Val= 4.75 Plg=31 Azm= 13
N -0.06 52 234
P -4.70 20 116
Best Double Couple:Mo=4.7*10**25
NP1:Strike=158 Dip=52 Slip= 9
NP2: 62 83 142
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 165, 38C M.W.: 135, 27C
Centroid Location:
Origin Time 16:20:30.6 0.2
Lat 52.53N 0.02 Lon 174.70W 0.03
Dep 15.0 FIX Half-duration 7.4
Principal Axes:
Scale 10**25 D-CM
T Val= 7.23 Plg=20 Azm= 18
N 0.43 68 250
P -7.66 22 116
Best Double Couple:Mo=7.4*10**25
NP1:Strike=156 Dip=68 Slip= -2
NP2: 247 88 -158

19 02 37 34.91 52.284N 174.941W 33km
5.1mb (87 obs.) 5.2Msz (6 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 32C
Centroid Location:
Origin Time 02 37 34.9 0.4
Lat 52.68N 0.03 Lon 175.02W 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 14.72 Plg= 7 Azm=210
N -2.47 45 301
P -12.25 44 113
Best Double Couple:Mo=1.3*10**24
NP1:Strike=262 Dip=55 Slip=-150
NP2: 153 66 -39

19 08 08 02.62 47.123N 154.215E 45km
5.2mb (71 obs.) 5.0Msz (2 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 185, 29C
Centroid Location:
Origin Time 08 08 6.9 0.6
Lat 47.46N 0.06 Lon 154.06E 0.10
Dep 28.1 3.9 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 12.02 Plg=73 Azm=299
N 1.89 0 208
P -13.91 17 118
Best Double Couple:Mo=1.3*10**24
NP1:Strike=207 Dip=28 Slip= 89
NP2: 28 62 90

19 13 02 43.81 12.817S 167.381E 33km
5.3mb (15 obs)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 22C
Centroid Location:
Origin Time 13:02:45.1 2.2
Lat 12.85S 0.13 Lon 167.46E 0.17
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 6.08 Plg=14 Azm=127
N -0.49 0 37
P -5.60 76 307
Best Double Couple:Mo=5.8*10**23
NP1:Strike=217 Dip=31 Slip= -90
NP2: 37 59 -90

19 20 54 03.71 12.629S 167.227E 52km
5.4mb (26 obs) 5.5Msz (9 obs)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 165, 35C
Centroid Location:
Origin Time 20 54: 3.6 0.6
Lat 12.73S 0.04 Lon 167.37E 0.05
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 7.15 Plg=13 Azm=122
N -1.06 5 213
P -6.09 76 324
Best Double Couple:Mo=6.6*10**24
NP1:Strike=205 Dip=32 Slip= -99
NP2: 38 58 -84

20 05 25 46.96 24.125N 121.619E 19km
6.1mb (78 obs) 6.4Msz (16 obs)
TAIWAN
FAULT PLANE SOLUTION P-Waves
NP1:Strike= 58 Dip=55 Slip= 120
NP2: 185 45 54
Principal Axes:
T Plg=65 Azm= 17
P 6 119
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 12
Principal Axes:
Scale 10**25 d-cm
T Val= 2.34 Plg=64 Azm= 58
N 0.54 26 237

P -2.88 6 327
Best Double Couple Mo=2.6*10**25
NP1:Strike= 81 Dip=50 Slip= 125
NP2: 214 51 54
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 175, 35C M.W.: 35, 7C
Centroid Location:
Origin Time 05:25:58.5 0.2
Lat 73.79N 0.01 Lon 121.29E 0.03
Dep 37.0 1.1 Half-duration 4.8
Principal Axes:
Scale 10**25 D-CM
T Val= 2.62 Plg=74 Azm= 43
N -0.50 16 239
P -2.12 2 148
Best Double Couple Mo=2.4*10**25
NP1:Strike=214 Dip=45 Slip= 67
NP2: 65 49 111

20 21 57 06.25 7.385S 106.492E 61km
5.6mb (32 obs.)
JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 24C
Centroid Location:
Origin Time 21:57:12.6 0.4
Lat 7.235 0.05 Lon 106.43E 0.04
Dep 100.0 3.2 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.25 Plg=45 Azm= 30
N 0.04 32 159
P -2.29 28 268
Best Double Couple:Mo=2.3*10**24
NP1:Strike= 48 Dip=34 Slip= 162
NP2: 152 80 57

21 01 45 24.97 14.368N 28.141W 10km
5.2mb (63 obs.) 4.8Msz (4 obs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 28C
Centroid Location:
Origin Time 01:45:33.8 0.5
Lat 14.90N 0.04 Lon 28.02W 0.04
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.04 Plg= 0 Azm=197
N -0.44 90 180
P -1.60 0 107
Best Double Couple:Mo=1.8*10**24
NP1:Strike=242 Dip=90 Slip= 180
NP2: 332 90 0

21 05 47 10.87 43.684N 148.416E 39km
6.1mb (77 obs.) 6.2Msz (16 obs.)
KURIL ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 33 Dip=76 Slip= 90
NP2: 213 14 90
Principal Axes:
T Plg=59 Azm=303
P 31 123
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 18 No. of sta: 14
Principal Axes:
Scale 10**25 d-cm
T Val= 3.16 Plg=58 Azm=296
N -0.24 2 203
P -2.92 32 112
Best Double Couple:Mo=3.0*10**25
NP1:Strike=195 Dip=13 Slip= 82
NP2: 23 77 92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 28C
Centroid Location:
Origin Time 05:47:14.5 0.2
Lat 43.62N 0.03 Lon 148.55E 0.04
Dep 16.1 1.7 Half-duration 5.0
Principal Axes:
Scale 10**25 D-CM
T Val= 3.13 Plg=62 Azm=294
N 0.15 6 34
P -3.29 27 127
Best Double Couple:Mo=3.2*10**25
NP1:Strike=231 Dip=19 Slip= 108
NP2: 33 72 84

22 10 29 50.62 43.728N 148.433E 42km
5.2mb (59 obs.) 4.5Msz (4 obs.)
KURIL ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 95, 10C
Centroid Location:
Origin Time 10:29:52.4 1.2
Lat 43.99N 0.12 Lon 148.23E 0.23
Dep 44.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 2.92 Plg=71 Azm=260
N -0.56 16 46
P -2.36 10 139
Best Double Couple:Mo=2.6*10**23
NP1:Strike=248 Dip=38 Slip= 117
NP2: 36 57 71

22 19 52 21.87 34.630N 26.528E 43km
5.1mb (53 obs.) 5.2Msz (3 obs.)
CRETE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 165, 30C
Centroid Location:
Origin Time 19:52:21.9 0.5
Lat 34.12N 0.06 Lon 26.72E 0.07
Dep 33.2 4.7 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 1.94 Plg=47 Azm= 64
N 0.42 34 288
P -2.37 23 182
Best Double Couple:Mo=2.2*10**24
NP1:Strike=227 Dip=37 Slip= 24
NP2: 118 76 125

23 09 51 24.46 12.699N 48.179E 10km
5.5mb (46 obs.) 5.4Msz (10 obs.)
EASTERN GULF OF ADEN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 34C
Centroid Location:
Origin Time 09:51:27.6 0.2
Lat 12.94N 0.02 Lon 48.14E 0.02
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.53 Plg= 4 Azm=204
N 0.02 19 113
P -4.55 71 307
Best Double Couple:Mo=4.5*10**24
NP1:Strike=314 Dip=44 Slip= -62
NP2: 98 52 -114

23 23 18 42.25 58.986N 153.377W 80km
5.0mb (52 obs.)
KODIAK ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 21C
Centroid Location:
Origin Time 23:18:47.0 1.1
Lat 58.88N 0.13 Lon 153.20W 0.20
Dep 88.1 5.5 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 5.85 Plg=26 Azm=308
N -0.63 61 154
P -5.22 11 44
Best Double Couple:Mo=5.5*10**23
NP1:Strike= 89 Dip=84 Slip= 12
NP2: 353 80 153

24 10 43 35.93 15.575S 173.051W 33km
5.4mb (40 obs.) 5.8Msz (15 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 32C
Centroid Location:
Origin Time 10:43:42.3 0.2
Lat 15.48S 0.03 Lon 173.09W 0.03
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 10.80 Plg=56 Azm=288
N 1.83 11 181
P -11.83 31 84
Best Double Couple:Mo=1.1*10**25
NP1:Strike=162 Dip=17 Slip= 50
NP2: 4 77 101

24 15 31 52.63 35.977N 69.985E 45km
5.2mb (59 obs.) 4.6Msz (1 obs.)
HINDU KUSH REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 27C
Centroid Location:
Origin Time 15:31:53.7 0.8
Lat 35.99N 0.14 Lon 69.69E 0.14
Dep 17.0 BDY Half-duration 1.2
Principal Axes:
Scale 10**23 D-CM
T Val= 4.17 Plg=67 Azm=129
N -1.54 22 326
P -2.63 6 234
Best Double Couple:Mo=3.4*10**23
NP1:Strike=301 Dip=43 Slip= 57
NP2: 163 55 117

25 03 09 19.78 31.911S 57.867E 10km
5.1mb (12 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 95, 23C
Centroid Location:
Origin Time 03:09:26.7 0.8
Lat 31.74S 0.11 Lon 57.01E 0.09
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.45 Plg=16 Azm=308
N -0.27 62 185
P -6.18 22 45
Best Double Couple:Mo=6.3*10**23
NP1:Strike= 85 Dip=62 Slip= -5
NP2: 177 86 -152

25 12 25 19.34 23.991S 175.869W 33km
5.4mb (17 obs.) 4.9Msz (3 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 30C
Centroid Location:
Origin Time 12:25:26.6 0.8
Lat 23.81S 0.06 Lon 175.72W 0.07
Dep 38.9 4.1 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 9.30 Plg=68 Azm=305
N 1.41 6 200
P -10.71 21 108
Best Double Couple:Mo=1.0*10**24
NP1:Strike=188 Dip=24 Slip= 76
NP2: 23 66 96

26 00 16 24.44 16.282S 172.859W 33km
5.2mb (22 obs.) 5.4Msz (4 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 33C
Centroid Location:
Origin Time 00:16:35.5 0.2
Lat 16.28S 0.03 Lon 172.74W 0.03
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 7.79 Plg=64 Azm=264
N 0.02 6 7
P -7.81 25 99
Best Double Couple:Mo=7.8*10**24
NP1:Strike=203 Dip=20 Slip= 107
NP2: 4 71 84

26 18 40 44.26 21.819S 179.079W 583km
6.1mb (44 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=330 Dip=83 Slip= -36
NP2: 65 54 -171
Principal Axes:
T Plg=19 Azm= 23
P 38 281
Comment: The focal mechanism is

moderately well controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 588 No. of sta: 8
Principal Axes:
Scale 10**26 d-cm
T Val= 1.91 Plg=15 Azm= 22
N 0.00 54 133
P -1.91 32 283
Best Double Couple:Mo=1.9*10**26
NP1:Strike= 67 Dip=56 Slip=-168
NP2: 329 79 -35
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 48C
Centroid Location:
Origin Time 18 48 54.5 0.2
Lat 21.57S 0.02 Lon 179.30W 0.02
Dep 603.4 0.9 Half-duration 9.6
Principal Axes:
Scale 10**26 D-CM
T Val= 2.08 Plg= 3 Azm= 7
N 0.05 47 100
P -2.13 43 274
Best Double Couple:Mo=2.1*10**26
NP1:Strike= 60 Dip=59 Slip=-149
NP2: 312 64 -35

26 19 06 15.99 20.190S 178.860E 538km
6.4mb (26 obs.)
SOUTH OF FIJI ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=255 Dip=75 Slip= 50
NP2: 148 42 157
Principal Axes:
T Plg=45 Azm=125
P 20 14
Comment: The focal mechanism is well controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 32C M.W.: 15S, 36C
Centroid Location:
Origin Time 19 06 25.0 0.2
Lat 20.24S 0.02 Lon 179.03E 0.02
Dep 567.5 1.8 Half-duration 14.4
Principal Axes:
Scale 10**26 D-CM
T Val= 5.81 Plg=48 Azm=174
N -0.50 21 283
P -5.31 43 34
Best Double Couple:Mo=5.6*10**26
NP1:Strike=197 Dip=21 Slip=-176
NP2: 103 89 -69

27 08 54 06.80 7.072S 124.152E 628km
5.6mb (45 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=120 Dip=60 Slip= -80
NP2: 281 31 -107
Principal Axes:
T Plg=14 Azm=203
P 73 55
Comment: The focal mechanism is well controlled and corresponds to normal faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 610 No. of sta: 4
Principal Axes:
Scale 10**25 d-cm
T Val= 1.07 Plg=21 Azm=222
N 0.04 5 314
P -1.11 68 56
Best Double Couple:Mo=1.1*10**25
NP1:Strike=304 Dip=24 Slip=-102
NP2: 136 66 -85
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 08:54 7.2 0.3
Lat 7.08S 0.03 Lon 124.35E 0.03
Dep 604.8 2.0 Half-duration 3.8
Principal Axes:
Scale 10**25 D-CM
T Val= 0.99 Plg=12 Azm=299
N 0.30 4 209
P -1.30 78 50
Best Double Couple:Mo=1.2*10**25
NP1:Strike=293 Dip=34 Slip= -98
NP2: 122 57 -85

28 13 33 44.36 19.988N 115.881W 10km
5.5mb (58 obs.) 5.1Msz (6 obs.)
EAST CENTRAL PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 13:33:51.5 1.0
Lat 20.62N 0.08 Lon 116.14W 0.06
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.33 Plg=19 Azm=143
N -0.16 1 233
P -2.17 71 326
Best Double Couple:Mo=2.3*10**24
NP1:Strike=231 Dip=26 Slip= -92
NP2: 53 64 -89

28 14 42 06.20 9.044N 126.719E 57km
5.3mb (21 obs.) 4.5Msz (2 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 14:42: 9.6 0.7
Lat 8.94N 0.08 Lon 126.71E 0.08
Dep 49.1 6.7 Half-duration 1.6
Principal Axes:
Scale 10**24 D-CM
T Val= 0.91 Plg=61 Azm=325
N 0.55 25 180
P -1.46 15 83
Best Double Couple:Mo=1.2*10**24
NP1:Strike=143 Dip=37 Slip= 46
NP2: 13 64 118

28 18 54 29.72 6.632S 155.870E 175km
5.2mb (33 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 18:54:35.3 1.2
Lat 6.74S 0.10 Lon 155.77E 0.10
Dep 168.1 2.5 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.38 Plg= 1 Azm=299
N 1.87 16 209
P -8.25 74 33
Best Double Couple:Mo=7.3*10**23
NP1:Strike= 65 Dip=49 Slip= -68
NP2: 194 48 -112

29 20 31 19.78 16.955N 99.733W 38km
5.2mb (38 obs.) 4.2Msz (1 obs.)
NEAR COAST OF GUERRERO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 20 31 15.4 1.0
Lat 16.48N 0.09 Lon 99.12W 0.09
Dep 57.2 8.0 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.34 Plg=74 Azm=163
N 0.55 7 280
P -7.90 14 12
Best Double Couple:Mo=1.9*10**23
NP1:Strike=112 Dip=32 Slip= 104
NP2: 278 59 81

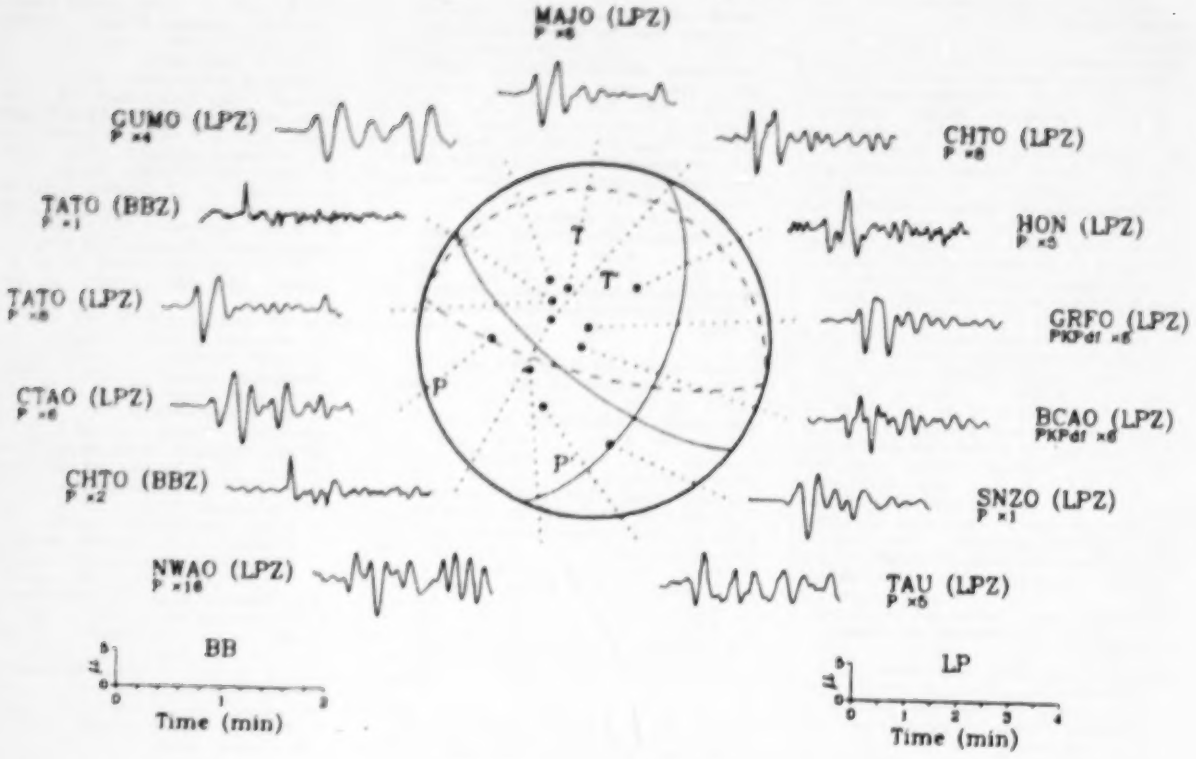
30 00 02 49.35 10.931S 162.412E 61km
5.5mb (23 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 00 02 41.7 0.3
Lat 11.21S 0.06 Lon 162.35E 0.05
Dep 38.1 3.2 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 3.01 Plg=47 Azm=123
N -0.49 37 339
P -2.53 19 234
Best Double Couple:Mo=2.8*10**24
NP1:Strike=281 Dip=42 Slip= 25
NP2: 172 73 129

31 03 40 07.42 43.308N 145.614E 81km
5.4mb (74 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centroid Location:
Origin Time 03 40 8.4 0.3
Lat 43.12N 0.05 Lon 145.58E 0.07
Dep 78.7 4.1 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.25 Plg=28 Azm= 4
N -0.02 12 268
P -1.23 59 157
Best Double Couple:Mo=1.2*10**24
NP1:Strike=123 Dip=28 Slip= -53
NP2: 264 74 -102

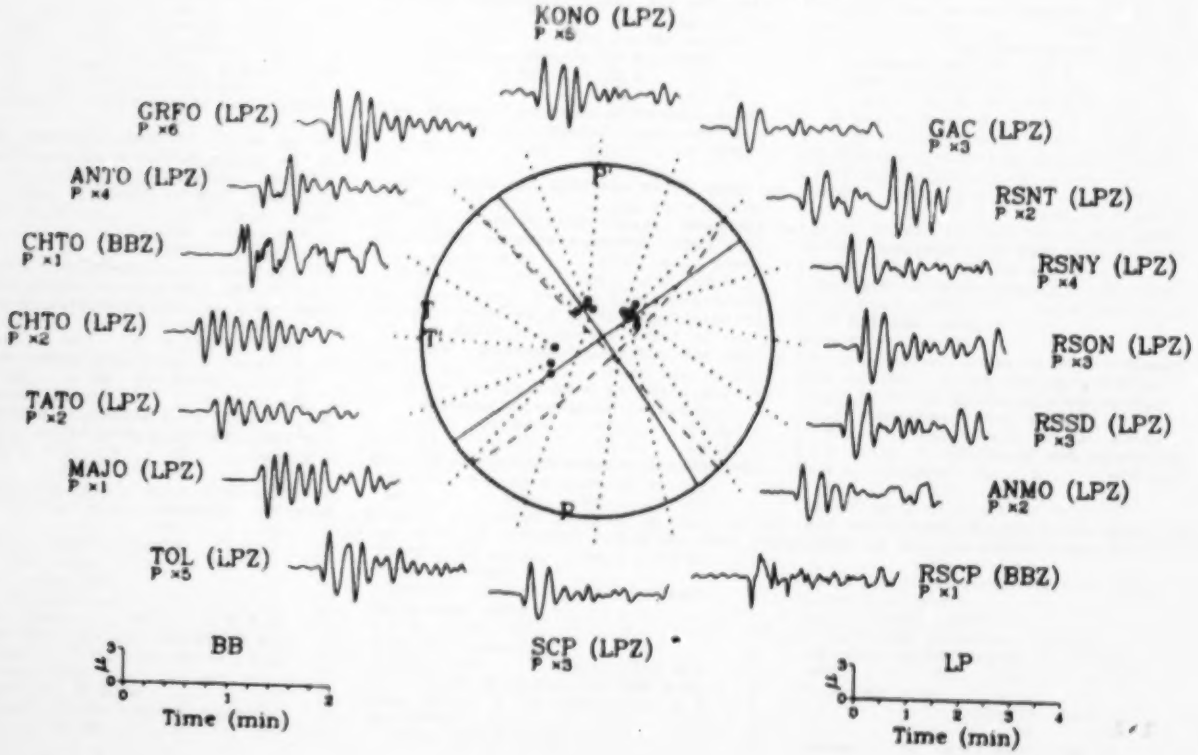
31 05 36 38.17 57.334S 147.519E 10km
5.1mb (8 obs.) 5.6Msz (1 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 05:36:38.7 0.3
Lat 56.75S 0.06 Lon 147.19E 0.08
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.62 Plg= 5 Azm= 30
N -0.50 85 226
P -2.12 1 120
Best Double Couple:Mo=2.4*10**24
NP1:Strike=165 Dip=86 Slip= 2
NP2: 75 88 176

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

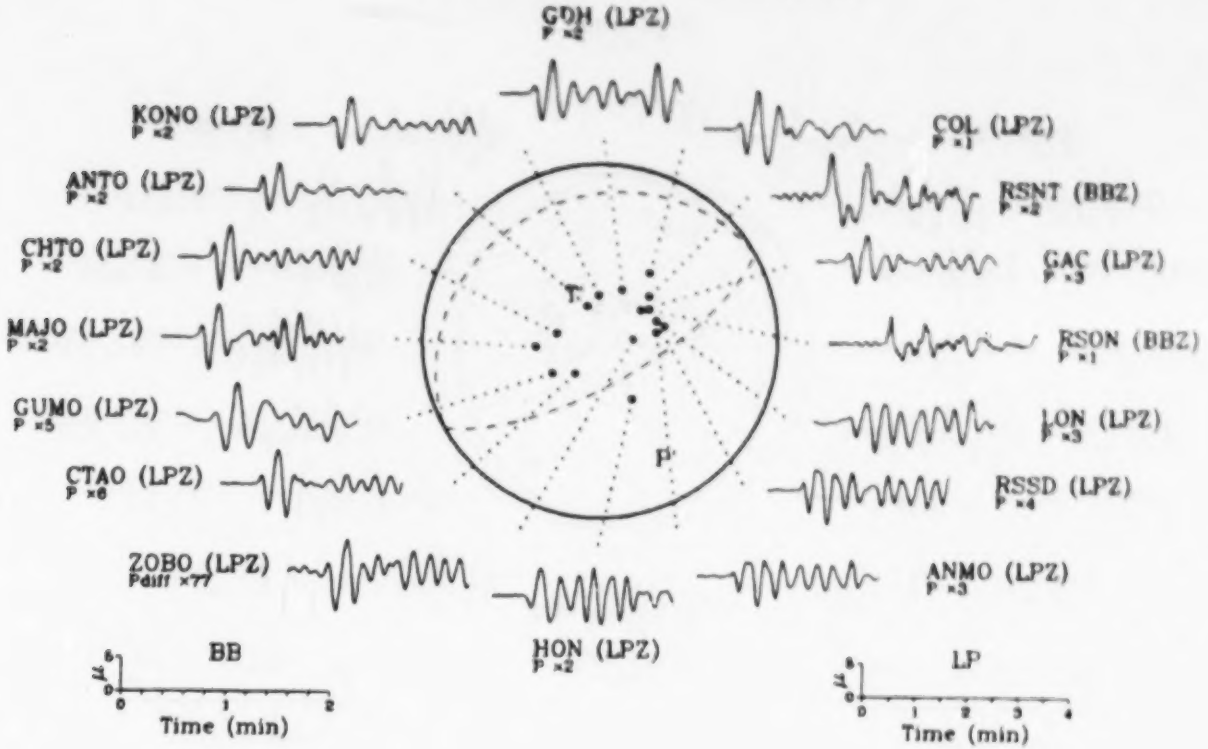
01 May 1986 19:31:40.22
Loyalty Islands Region



02 May 1986 10:30:02.85
Off East Coast of Kamchatka



07 May 1986 20:43:31.26
Andreanof Islands, Aleutian Is.



07 May 1986 22:47:10.87
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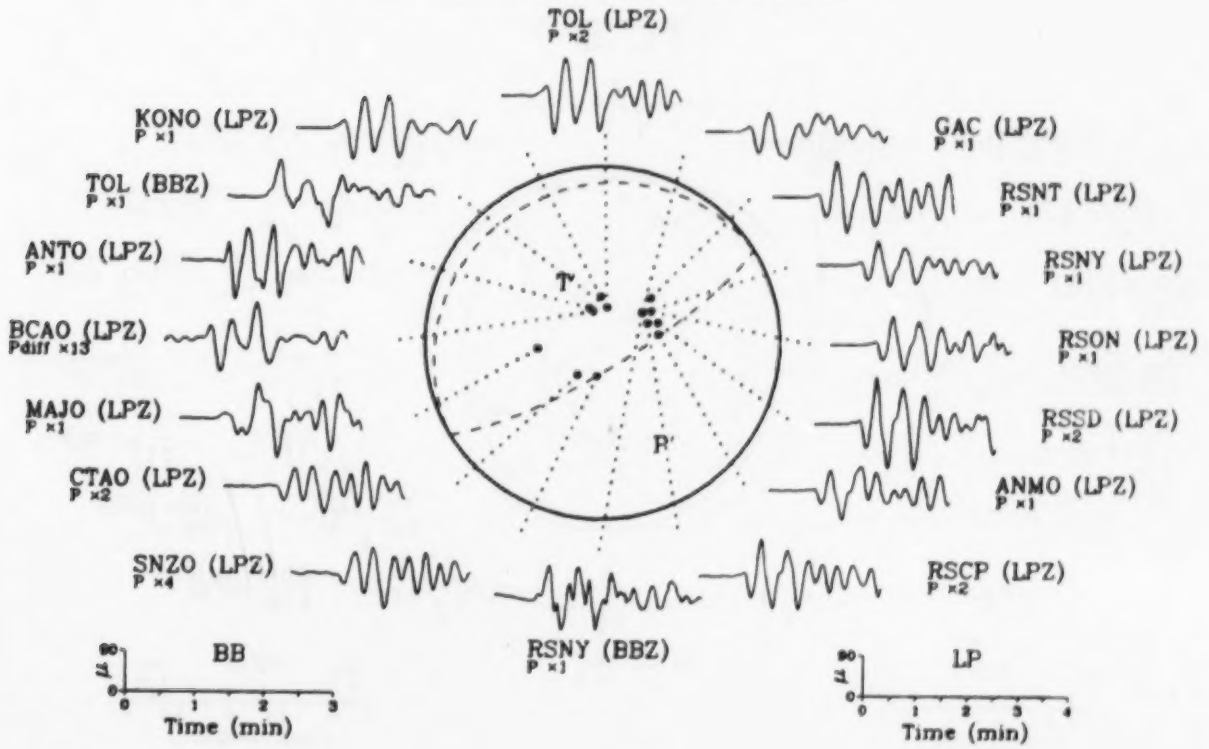

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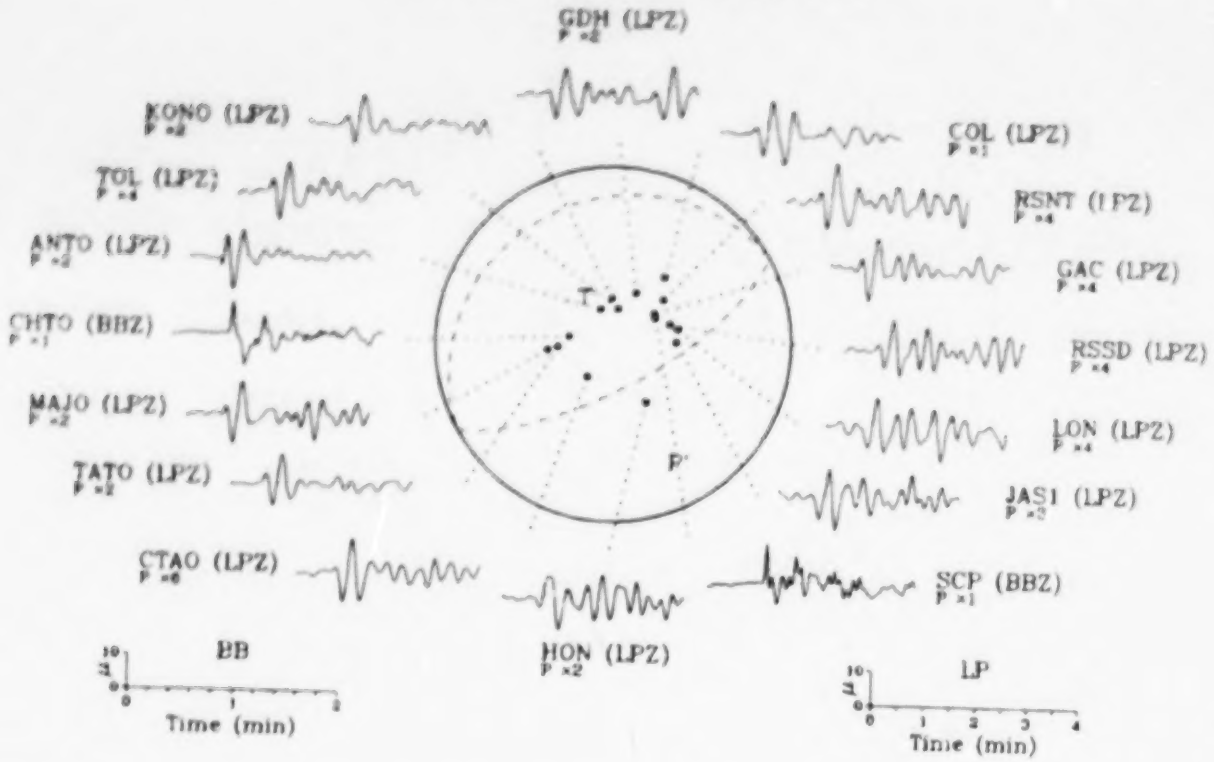

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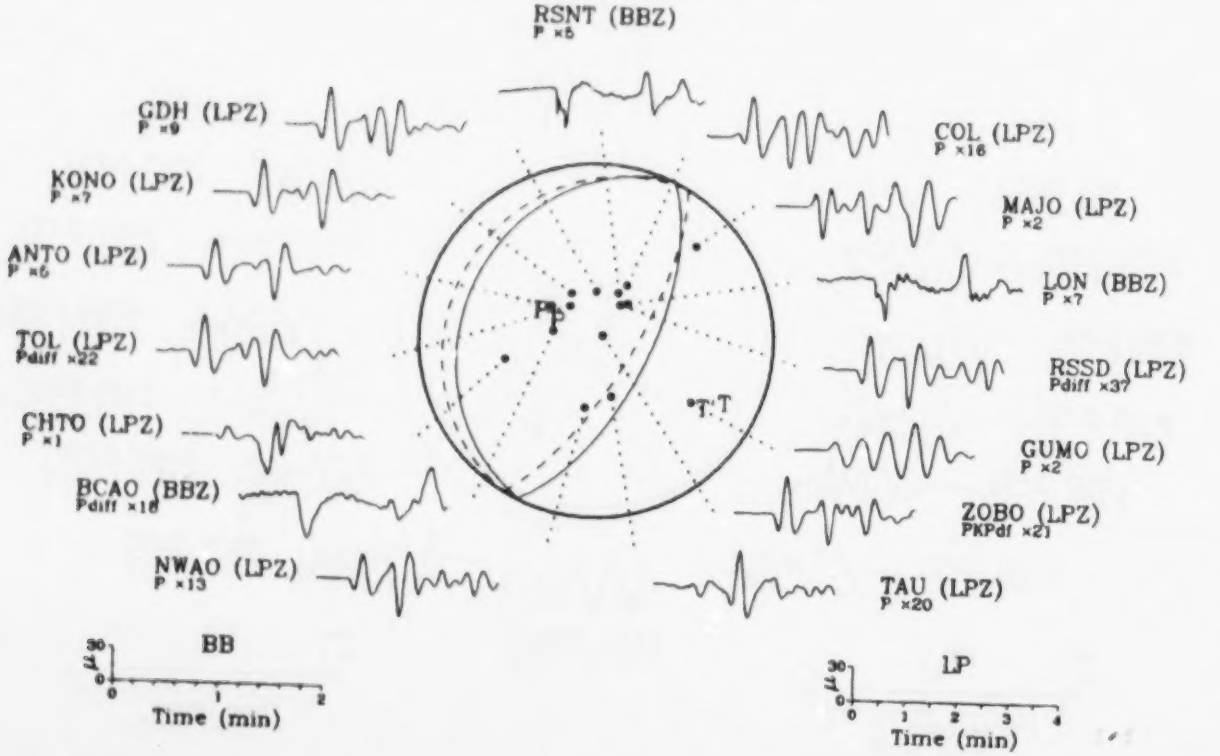
Northeast of Taiwan



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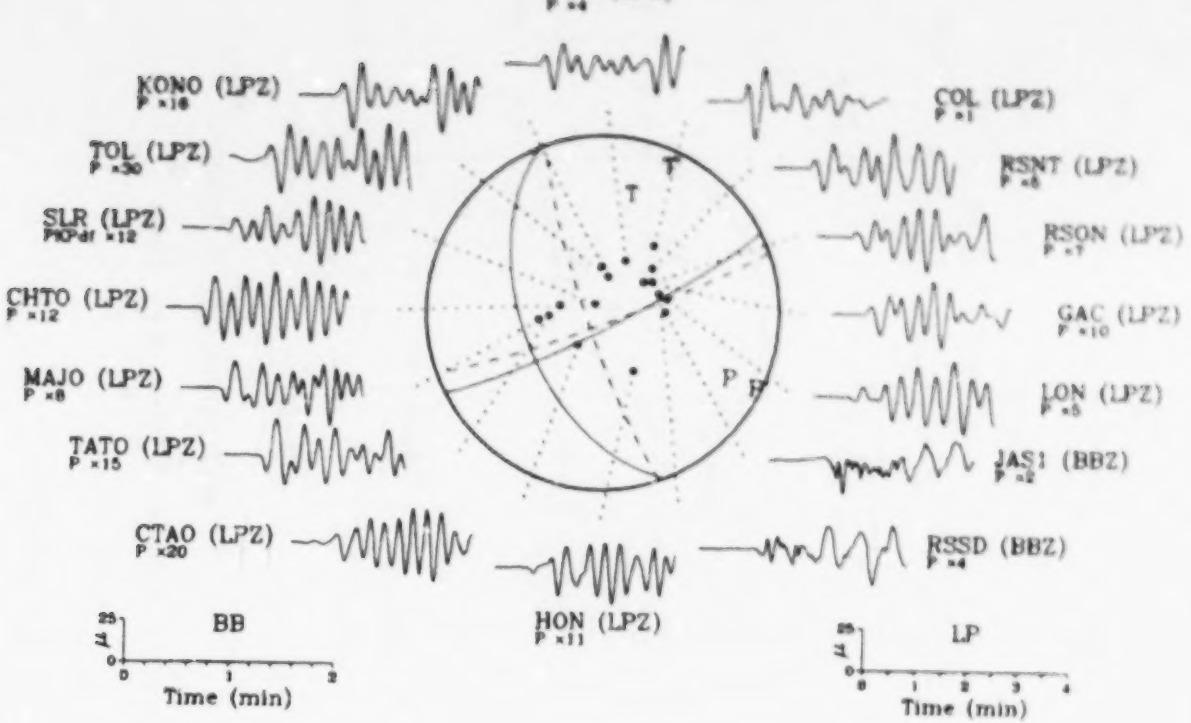

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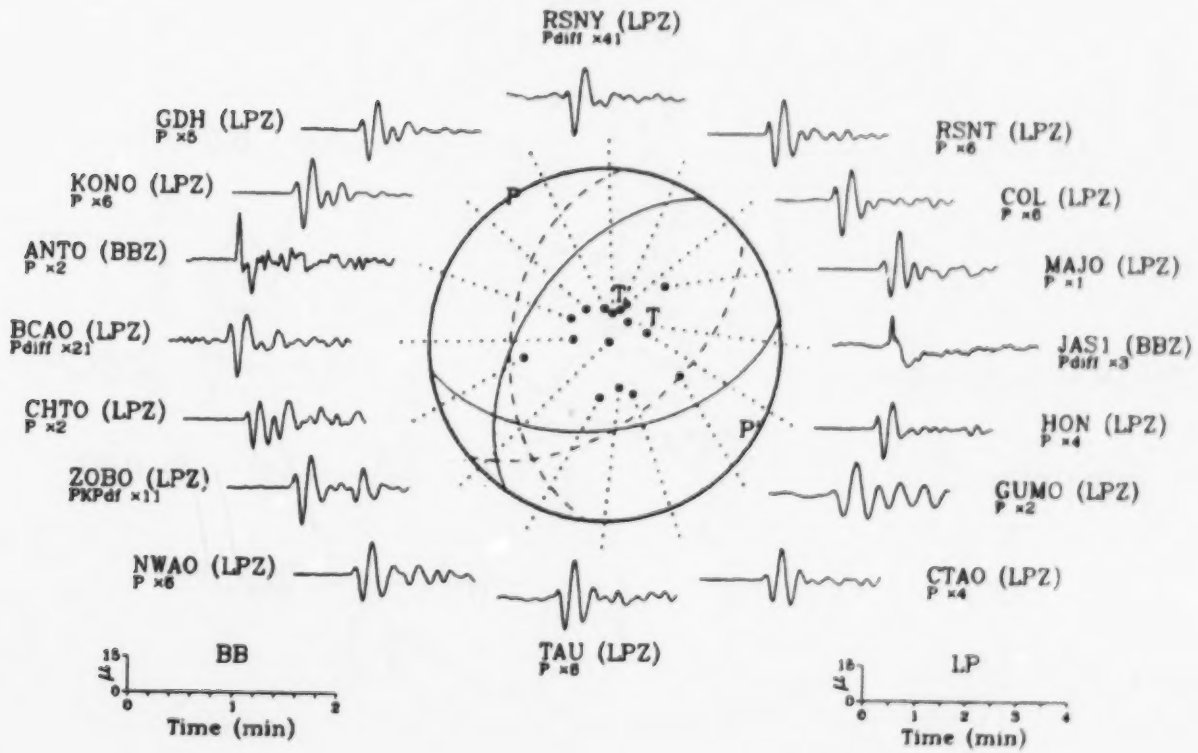
Taiwan



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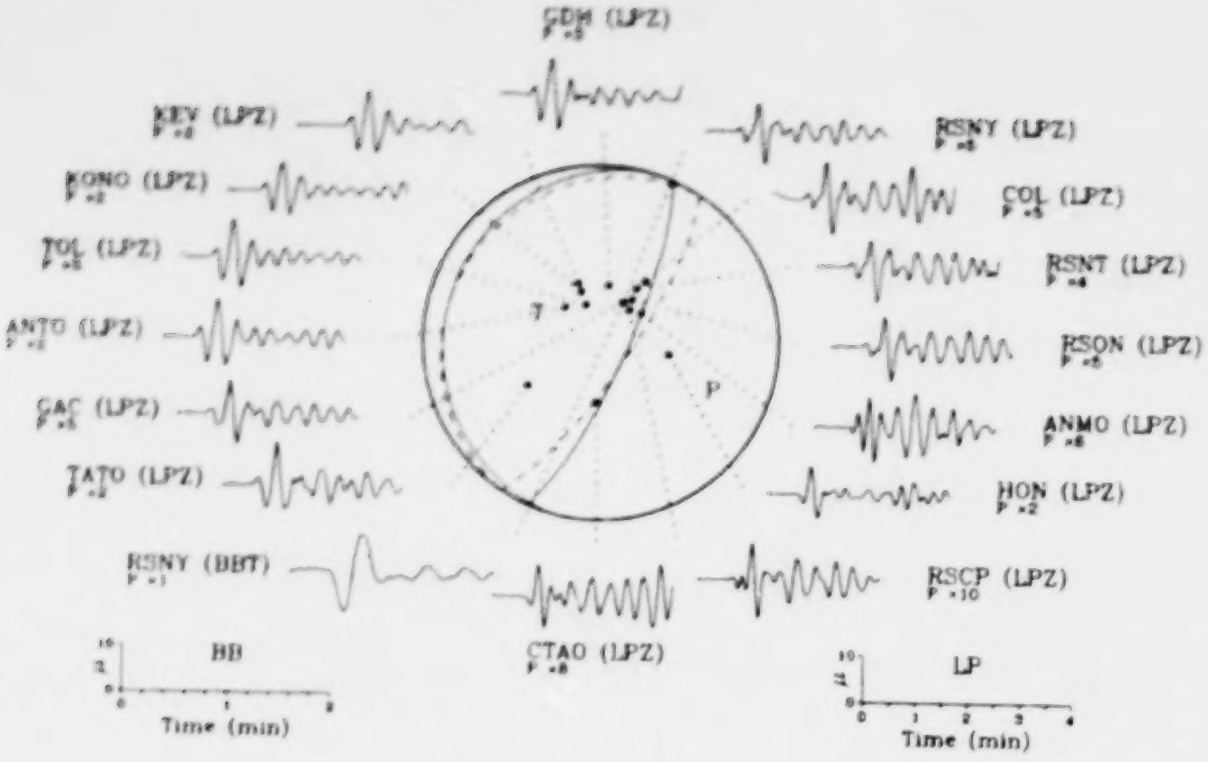
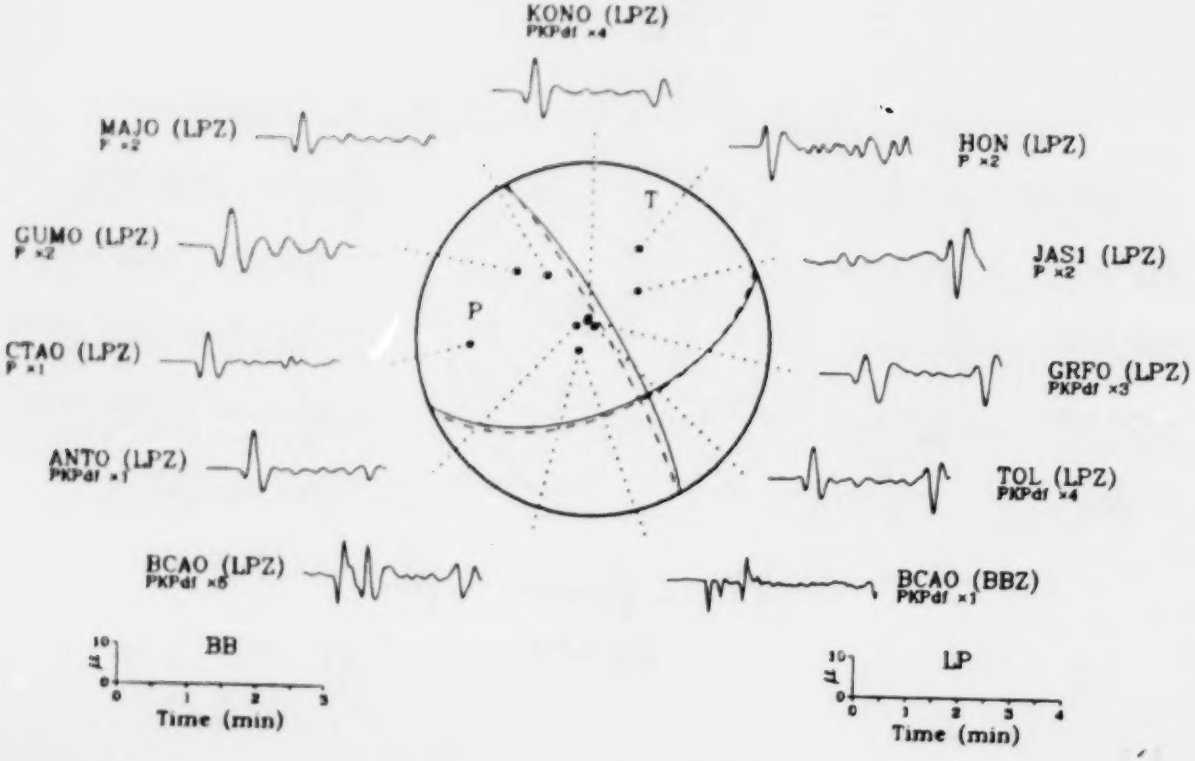
Kuril Islands Region

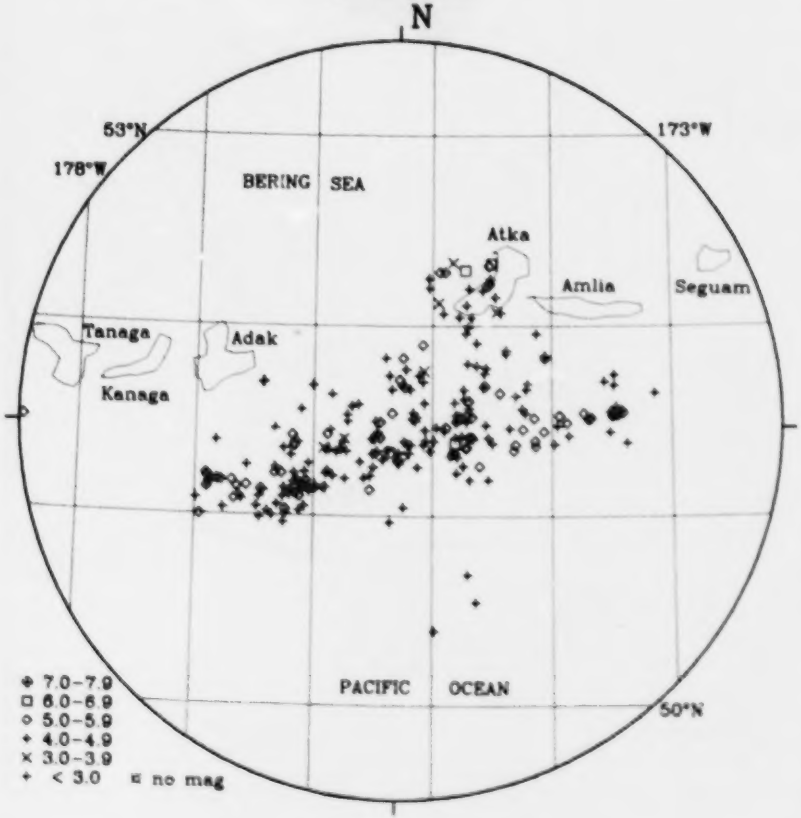


26 May 1986 18:40:44.26
Fiji Islands Region



Earthquake Epicenters in the Andreanof Islands, Alaska, May 1986

All Events



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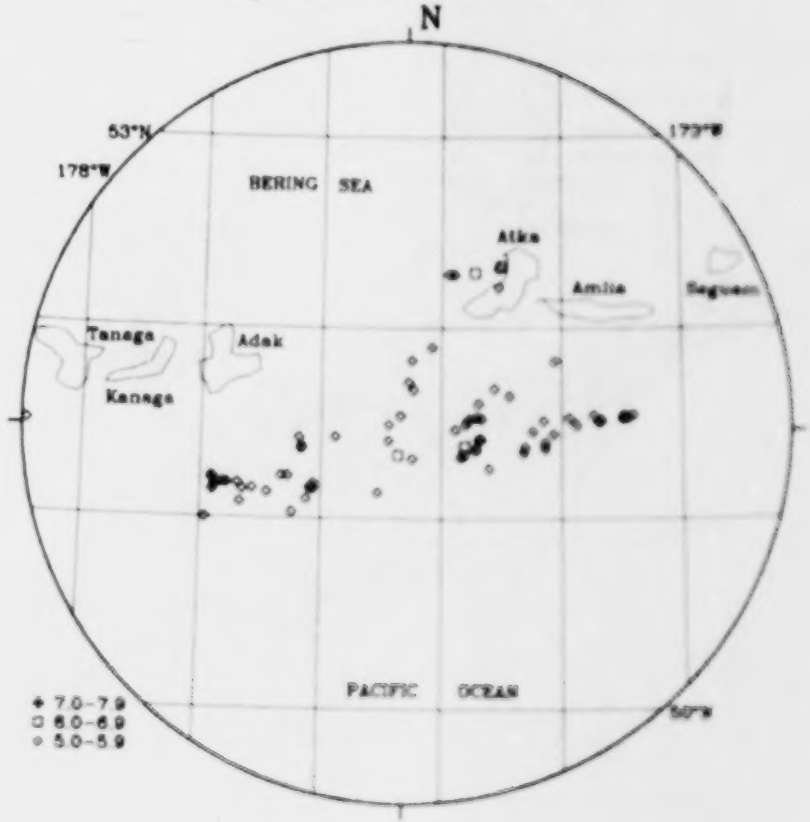
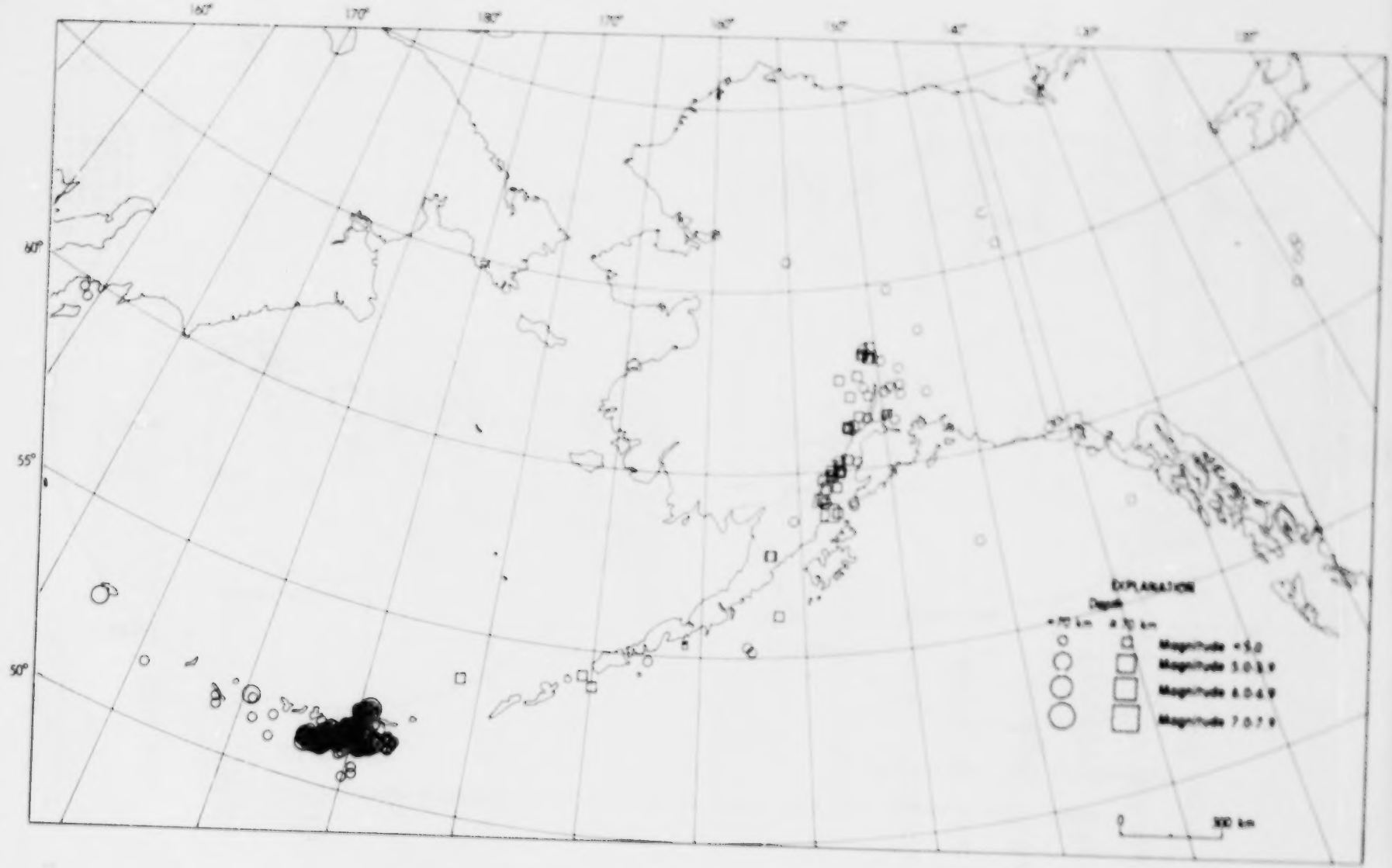
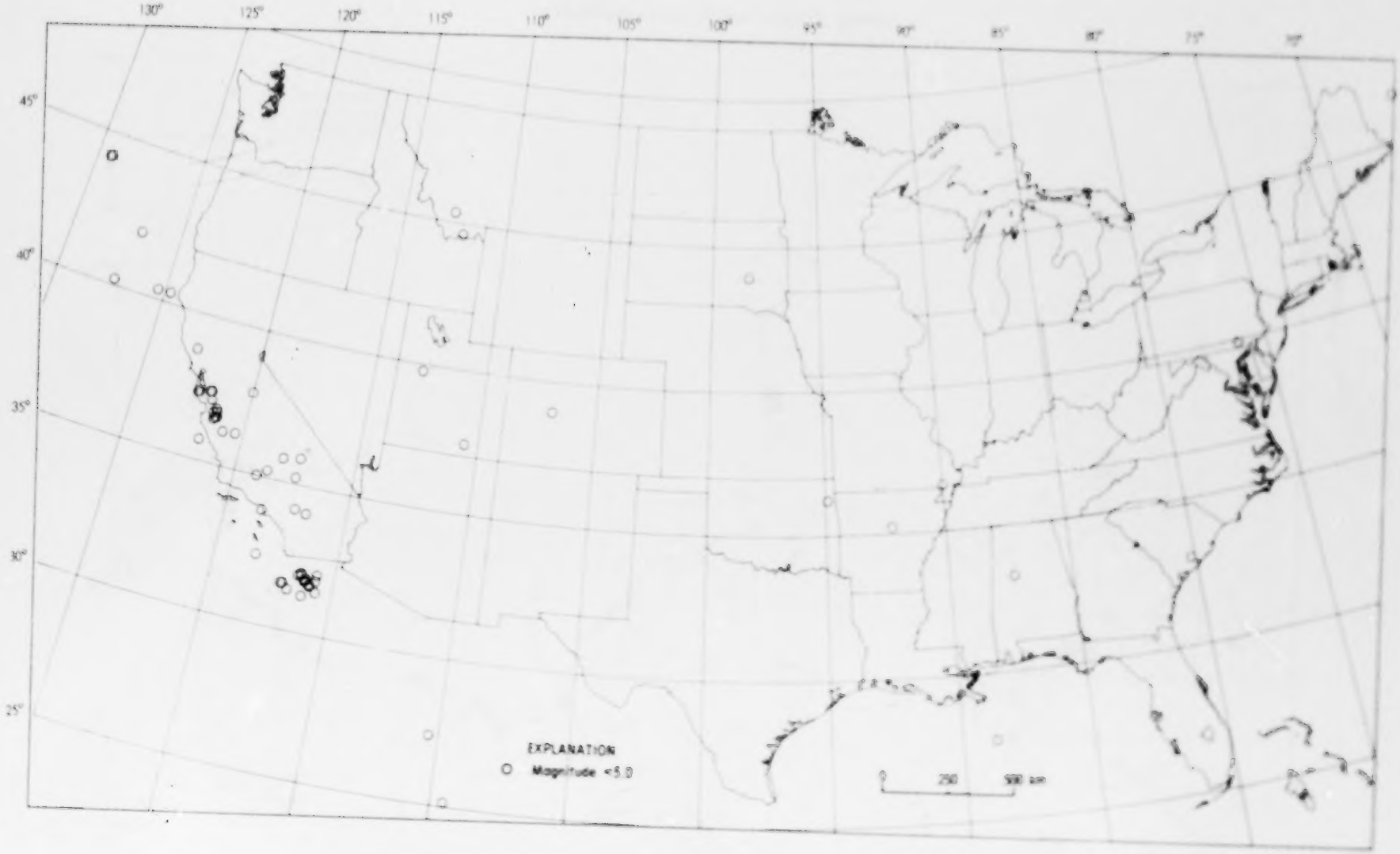
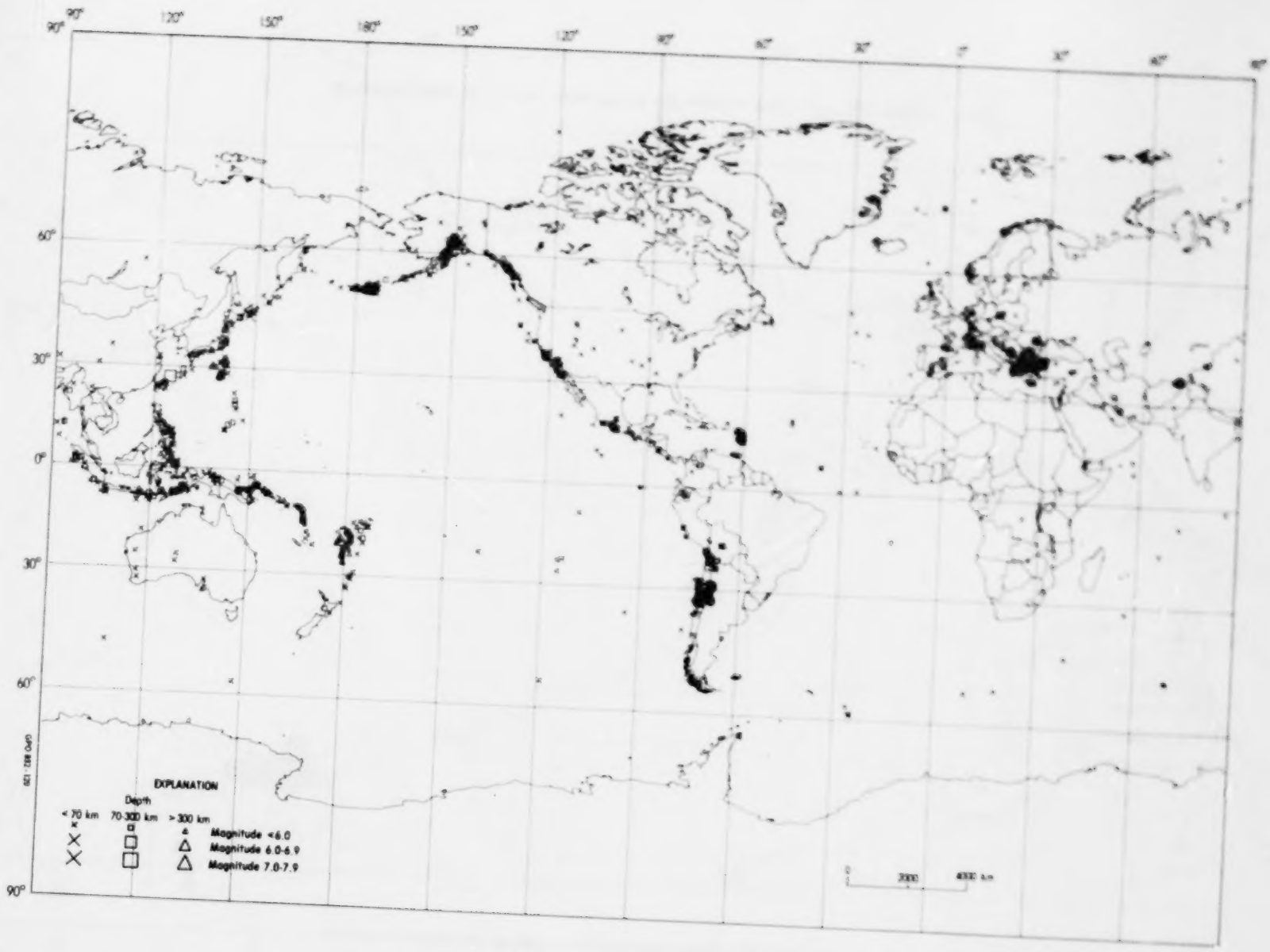




Earthquake epicenters in Alaska and adjacent regions for May, 1936 (C. Stover)



Earthquake epicenters in the United States and adjacent regions for May, 1986 (C. Stover)



Earthquakes located in May, 1986 (C. Stover).

916/6

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

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JUNE 1986

K E Y	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MD	Mwr	SD	NO STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	06	26.4•	49.663 N	155.792 E	33 N	4.8		0.9	48	KURIL ISLANDS
	01	00	08	47.2	4.660 S	153.397 E	79	5.0		0.9	29	NEW IRELAND REGION
	01	01	45	52.3•	38.653 N	20.299 E	10 G	3.7		0.8	8	GREECE. ML 3.7 (ATH)
	01	01	54	14.4	33.400 S	70.187 W	117	4.3		0.9	25	CHILE-ARGENTINA BORDER REGION. Felt (IV) at Santiago, Chile.
	01	03	57	18.6•	17.833 N	119.692 E	33 N	4.4		1.2	9	PHILIPPINE ISLANDS REGION
	01	06	10	42.5	37.486 N	118.825 W	5 G			0.7	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (BRK).
	01	06	43	10.3	37.970 N	27.366 E	22	3.8		0.9	24	TURKEY. ML 4.0 (ATH)
	01	06	49	02.8	36.623 N	121.260 W	5 G			0.8	18	CENTRAL CALIFORNIA. ML 2.7 (BRK).
	01	06	49	34.1&	36.612 N	121.267 W	4				5	CENTRAL CALIFORNIA. <BRK> ML 3.8 (BRK).
	01	07	28	14.0•	15.147 N	61.238 W	159	4.5		0.7	14	LEEWARD ISLANDS
	01	07	36	56.5•	20.774 S	176.881 W	282 •	4.4		0.7	18	FIJI ISLANDS REGION
	01	10	56	21.1	22.381 N	143.889 E	98 D	4.7		0.9	51	VOLCANO ISLANDS REGION
	01	11	18	48.1&	60.512 N	151.877 W	74				21	KENAI PENINSULA, ALASKA. <AGS-P>.
	01	12	03	05.3•	42.256 N	2.258 E	10 G			1.4	6	PYRENEES. ML 2.8 (LDG)
	01	12	51	39.6•	17.819 S	174.620 W	33 N	4.7	4.7	1.2	31	TONGA ISLANDS
	01	13	49	50.1•	5.163 S	150.922 E	162 •	4.2		1.0	11	NEW BRITAIN REGION
	01	14	53	14.0&	47.080 N	86.680 W	5 G				5	NEW BRUNSWICK. <OTT-P>. mbLg 3.4 (OTT)
	01	15	02	07.8	42.321 N	19.987 E	10 G			0.8	10	YUGOSLAVIA. MD 2.8 (TTG).
	01	17	22	43.1%	43.492 N	0.784 W	10 G			0.4	6	PYRENEES. ML 2.7 (LDG).
	01	18	37	45.7•	36.995 N	73.067 E	33 N	4.5		1.3	20	NORTHWESTERN KASHMIR
	01	19	23	28.1	39.588 N	28.358 E	10			1.1	16	TURKEY
	01	19	34	44.6	36.619 N	121.252 W	5 G			1.0	13	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	01	19	52	38.2&	35.656 N	96.897 W	5 G				8	OKLAHOMA. <TUL>. MD 2.0 (TUL)
	01	20	14	17.4	5.544 N	126.115 E	124	5.2		1.2	72	MINDANAO, PHILIPPINE ISLANDS
	01	21	10	53.0•	28.230 N	140.665 E	33 N	4.6		1.5	19	BONIN ISLANDS REGION
	01	21	12	41.0?	52.09 N	176.03 W	33 N	4.2		0.7	5	ANDREANOF ISLANDS, ALEUTIAN IS.
	01	21	14	02.0%	40.729 N	29.873 E	10 G			0.7	7	TURKEY
	01	21	46	04.1•	36.973 N	73.141 E	33 N	4.7		0.9	15	NORTHWESTERN KASHMIR
	01	22	22	25.9•	84.614 N	3.018 E	10 G	4.2	3.4	1.3	17	NORTH OF SVALBARD
	01	22	47	55.3•	14.062 S	73.807 W	33 N	4.5	4.0	0.7	13	PERU
	01	22	53	05.2•	17.907 S	174.561 W	33 N	4.7		1.0	20	TONGA ISLANDS
	02	00	42	22.5•	51.568 N	174.610 W	33 N	4.5		1.1	28	ANDREANOF ISLANDS, ALEUTIAN IS.
o	02	01	31	09.8	7.015 S	154.484 E	10 G			0.7	9	SWITZERLAND
	02	02	35	57.2?	51.48 N	175.04 W	16	5.9	5.7	1.0	255	SOLOMON ISLANDS. Ms 5.7 (BRK).
	02	03	39	07.4	44.489 N	10.707 E	33 N	4.4		0.6	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	02	03	50	57.9%	46.167 N	1.805 E	10 G			1.3	50	NORTHERN ITALY. ML 4.2 (KBA), 3.7 (LDG). MD 3.7 (TRI)
o	02	03	56	24.3	29.805 N	130.603 E	10 G			0.3	5	FRANCE. ML 1.8 (LDG)
	02	04	04	05.2	39.344 N	99.781 W	54	5.1	5.8	1.2	126	RYUKYU ISLANDS
							5 G			0.9	16	KANSAS. mbLg 3.8 (NEIS). Felt (III) at Bogue, Damar, Hill City, Lenora, New Almelo, Penokee and Stockton. Also felt at Nicodemus.
	02	04	04	30.8	7.001 S	154.576 E	33 N	4.8		1.2	18	SOLOMON ISLANDS
	02	04	10	14.9?	35.29 S	105.55 W	10 G	4.8		1.4	15	EASTER ISLAND CORDILLERA
	02	04	10	52.2•	38.575 N	20.485 E	10 G			1.3	8	GREECE
	02	06	25	21.2	35.837 N	45.634 E	23 D	4.7	4.5	1.3	81	IRAN-IRAQ BORDER REGION
	02	07	08	11.2&	34.652 N	96.651 W	5 G				4	OKLAHOMA. <TUL>. MD 1.3 (TUL)
	02	08	13	18.1	6.025 S	154.588 E	65	5.2		1.2	45	SOLOMON ISLANDS. Felt (III) at Panguna, Bougainville.
	02	09	04	58.1	39.916 N	29.168 E	10 G			0.5	11	TURKEY
	02	09	16	11.6%	60.199 N	5.165 E	10 G			0.1	5	SOUTHERN NORWAY. MD 1.4 (BER)
	02	09	36	10.7	44.492 N	11.033 E	10 G			0.7	8	NORTHERN ITALY. ML 2.9 (LDG), 2.9 (KBA)
	02	09	41	41.6?	51.19 N	176.22 W	33 N	4.1		2.1	5	ANDREANOF ISLANDS, ALEUTIAN IS.
	02	10	49	38.9%	60.713 N	5.573 E	10 G			0.2	5	SOUTHERN NORWAY. MD 2.0 (BER)
	02	11	02	39.9	37.941 N	27.311 E	10 G			0.7	12	TURKEY
	02	12	36	43.9•	70.639 N	14.772 W	10 G	4.4		0.8	23	JAN MAYEN ISLAND REGION
	02	13	04	40.4?	31.17 S	177.86 W	33 N	5.0		1.5	13	KERMADEC ISLANDS REGION
	02	14	16	44.7	36.639 N	121.222 W	5 G			1.1	18	CENTRAL CALIFORNIA. ML 2.8 (BRK).
o	02	14	21	34.3	23.987 N	123.362 E	39	5.2	5.2	0.9	121	SOUTHWESTERN RYUKYU ISLANDS

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I 19.66:

	03	10 37 49.3•	40.636 N	20.884 E	10 G			0.9	8	GREECE-ALBANIA BORDER REGION
	03	10 07 11.5	15.288 S	167.422 E	143	5.1		1.0	75	VANUATU ISLANDS
	03	15 16 17.9	40.956 N	47.861 E	23 N	4.8		1.3	31	EASTERN CAUCASUS. Felt in the Vartashen-Ijevan area.
•	03	17 51 54.9	9.117 N	93.489 E	80	5.7		1.1	337	NICOBAR ISLANDS REGION
	03	18 14 11.59	30.36 N	6.72 E	10 G			1.0	5	SOUTHERN NORWAY. MD 1.8 (BER)
	03	18 48 05.77	17.18 N	95.97 W	33 N			1.2	9	OAXACA, MEXICO
	03	18 56 03.49	21.18 S	174.51 W	33 N	4.7		1.4	9	TONGA ISLANDS
	03	19 04 00.1	32.850 N	50.214 E	54	4.8		1.0	138	IRAN. Felt at Izeh.
	03	19 29 55.6	40.806 N	145.944 E	451	5.2		0.7	213	SEA OF OKHOTSK
	03	22 04 58.6	43.548 N	0.565 W	22			1.1	28	PYRENEES. ML 3.7 (LDG).
	03	22 18 29.6•	40.672 N	41.881 E	10 G	4.2		1.6	11	TURKEY
	03	22 29 53.1•	45.654 S	78.818 W	10 G	5.2 4.2		1.1	21	OFF COAST OF SOUTHERN CHILE
	03	22 35 46.2•	44.534 N	10.166 E	10 G			1.4	6	NORTHERN ITALY
	03	22 40 48.2•	44.662 N	10.712 E	10 G			1.2	10	NORTHERN ITALY. ML 2.8 (LDG), 2.4 (NBA).
	03	23 14 52.8%	43.756 N	6.215 E	10 G			0.3	5	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG)
	03	23 41 22.58	66.201 W	5.629 E	10 G			0.5	6	SOUTHERN NORWAY. MD 1.9 (BER).
	03	00 29 38.7%	39.497 N	28.303 E	10 G			1.3	8	TURKEY
	03	00 30 14.1•	51.078 N	15.738 E	10 G			0.4	6	POLAND. ML 3.0 (GRF).
•	03	00 54 44.9	5.665 S	151.768 E	67	5.7		0.9	228	NEW BRITAIN REGION
	03	02 17 47.4•	29.026 S	168.623 E	10 G	4.5		1.5	28	LOYALTY ISLANDS
	03	02 29 22.2•	5.587 S	35.189 E	10 G			1.5	5	TANZANIA. MG 3.9 (LSZ).
	03	02 31 23.5	44.338 N	6.284 E	7			0.8	17	FRANCE. ML 2.9 (LDG).
	03	02 35 10.3	38.542 N	104.853 E	33 N	4.8		0.6	28	NORTHERN CHINA
	03	03 33 44.6	36.684 N	121.237 W	5 G			1.0	14	CENTRAL CALIFORNIA. ML 2.9 (BRK).
	03	05 13 03.1•	35.680 N	140.253 E	77	4.2		0.6	9	NEAR EAST COAST OF HONSHU, JAPAN
	03	06 16 28.4	38.335 N	25.129 E	8	4.5		1.2	102	AEGEAN SEA. ML 4.8 (ATH). Felt at Athens, Greece.
	03	06 49 29.9	6.551 S	148.375 E	64	5.1		1.0	62	NEW BRITAIN REGION
	03	06 53 17.3•	12.577 N	88.999 W	33 N	4.5 3.7		1.1	20	OFF COAST OF CENTRAL AMERICA
	03	07 58 57.87	30.64 S	178.01 W	33 N	4.8		1.3	12	KERMADEC ISLANDS
	03	08 46 05.7	38.387 N	25.118 E	8			1.2	19	AEGEAN SEA. ML 3.6 (ATH).
	03	08 58 09.9	16.917 N	96.041 W	10 G	3.9		0.6	7	OAXACA, MEXICO
	03	09 18 37.9	38.438 N	25.042 E	10 G			1.4	14	AEGEAN SEA. ML 3.6 (ATH).
	03	09 41 44.2	19.970 S	178.734 E	548 G	4.7		0.7	41	SOUTH OF FIJI ISLANDS
	03	10 11 45.3	35.797 N	135.200 E	27	4.4		1.4	25	SOUTHERN HONSHU, JAPAN. Felt (III JMA) at Toyooka and Maizuru; (I JMA) at Fukui, Hikone and Osaka. Felt also at Tottori, Kyoto and Kanazawa.
	03	10 13 52.2	40.249 N	32.398 E	9	3.8		0.4	10	TURKEY
	03	10 58 07.8	38.338 N	25.169 E	10 G			1.1	12	AEGEAN SEA. ML 3.6 (ATH).
	03	10 57 45.8	38.478 N	25.118 E	12	3.6		1.1	32	AEGEAN SEA. ML 4.1 (ATH).
	03	11 33 14.4	6.729 S	147.445 E	82	4.6		1.0	27	EAST PAPUA NEW GUINEA REGION
	03	11 35 17.0%	39.420 N	28.357 E	10 G			1.5	9	TURKEY
	03	11 49 13.4%	45.451 N	25.396 E	10 G			0.7	5	ROMANIA
	03	11 58 00.5•	17.167 S	167.498 E	10 G	4.8		1.1	16	VANUATU ISLANDS
	03	12 15 02.6	36.454 N	70.938 E	197 D	4.8		1.0	55	HINDU KUSH REGION
	03	13 45 12.7•	1.992 N	99.084 E	144 •	4.6		1.1	16	NORTHERN SUMATERA
	03	14 00 36.2•	38.681 N	20.191 E	10 G			0.9	8	GREECE
	03	14 14 49.28	33.790 N	116.348 W	11				19	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS). Felt in the Palm Desert-Palm Springs area.
	03	14 30 10.3%	61.867 N	4.945 E	10 G			1.5	6	SOUTHERN NORWAY. MD 2.8 (BER).
	03	14 34 06.8•	19.024 N	108.929 W	10 G	4.4		0.5	10	REVILLA GIGEDO ISLANDS REGION
•	03	14 40 09.7	10.378 N	125.964 E	67	5.7		1.1	196	LEYTE, PHILIPPINE ISLANDS. Felt (II RF) at Cagayan de Oro, Mindanao. Felt (I RF) at Palo.
	03	14 47 25.3	62.389 N	123.864 W	10 G	4.5		0.9	13	NORTHWEST TERRITORIES, CANADA
	03	15 12 39.97	41.82 N	24.22 E	10 G			0.8	6	GREECE-BULGARIA BORDER REGION
	03	17 16 12.07	10.92 S	32.48 E	10 G			0.2	4	ZAMBIA. MG 2.8 (LSZ).
	03	17 50 59.6•	9.349 N	58.048 E	10 G	4.9 3.9		1.1	35	CARLSBERG RIDGE
	03	18 35 48.5•	38.294 N	25.081 E	10 G			1.4	12	AEGEAN SEA. ML 3.7 (ATH).
•	03	19 34 48.3	20.732 S	177.935 W	582	5.5		1.0	113	FIJI ISLANDS REGION
	03	19 35 54.5	39.491 N	28.399 E	19	4.3		0.8	23	TURKEY
	03	20 55 05.0	17.742 N	105.717 W	10 G	5.0		1.0	39	OFF COAST OF JALISCO, MEXICO
	03	21 02 26.27	33.43 S	72.03 W	10 G			0.8	7	OFF COAST OF CENTRAL CHILE
	03	21 09 00.77	37.02 N	27.42 E	10 G			1.0	11	TURKEY
	03	21 35 41.3	40.132 N	24.924 E	16			0.3	9	AEGEAN SEA
	03	22 45 59.7	10.364 N	103.520 W	10 G	4.7 4.7		0.8	22	OFF COAST OF MEXICO
	03	23 05 22.7	51.344 N	174.644 W	33 N	5.2		1.1	145	ANDREANOF ISLANDS, ALEUTIAN IS.
	03	23 05 28.8	51.410 N	174.684 W	33 N	5.4 5.1		0.8	103	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.8 (PMR), Ms 5.1 (BRK). Felt (II) on Adak.
	03	23 13 07.8A	32.288 N	115.888 W	6 G				4	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	03	23 23 15.1•	34.224 N	26.339 E	33 N	4.3		1.5	10	CRETE
•	03	23 30 55.2	10.227 N	103.629 W	10 G	5.0 5.4		0.9	66	OFF COAST OF MEXICO. Ms 5.4 (BRK).
	03	23 41 48.9•	51.945 N	174.577 W	33 N	4.3 5.0		0.6	14	ANDREANOF ISLANDS, ALEUTIAN IS.
	04	01 10 59.6	22.454 S	179.872 W	595 •	5.0		0.9	31	SOUTH OF FIJI ISLANDS
	04	01 56 59.7	36.594 N	121.229 W	10 G			0.5	13	CENTRAL CALIFORNIA. ML 2.6 (BRK).
	04	03 46 37.9•	37.233 S	16.938 W	10 G	4.8 4.2		1.1	13	SOUTH ATLANTIC RIDGE
	04	04 38 10.69	25.21 N	100.72 W	33 N			1.7	4	NORTHERN MEXICO. mbLg 3.5 (NEIS).
	04	05 00 44.19	32.02 S	67.55 W	33 N			1.2	6	MENDOZA PROVINCE, ARGENTINA
	04	05 12 57.88	58.074 N	151.494 W	46	4.0			35	KODIAK ISLAND REGION. <AGS-P>.
	04	06 14 16.8%	46.034 N	0.655 W	13			1.2	11	FRANCE. ML 3.0 (LDG).
	04	06 47 01.4•	41.412 N	78.977 E	33 N	4.1		0.9	10	KIRGHIZ-XINJIANG BORDER REGION
	04	07 48 49.9•	38.350 N	25.146 E	10 G			1.2	9	AEGEAN SEA. ML 3.5 (ATH).
	04	08 06 03.3	38.375 N	25.105 E	7	4.4		1.2	73	AEGEAN SEA. ML 4.6 (ATH).
	04	08 20 39.1	38.438 N	25.052 E	10 G			0.8	13	AEGEAN SEA. ML 3.9 (ATH).
	04	12 16 04.7%	39.148 N	29.523 E	10 G			0.8	9	TURKEY
	04	12 43 16.6•	23.982 N	121.857 E	33 N	4.4		1.4	13	TAIWAN
	04	12 48 59.1	9.080 N	93.531 E	122 ?	4.2		1.3	14	NICOBAR ISLANDS REGION
	04	13 48 49.0%	38.918 N	27.475 E	10 G			0.5	6	TURKEY
	04	13 57 42.9	42.330 N	19.886 E	10 G			0.8	7	YUGOSLAVIA. MD 2.6 (TTG).
	04	14 00 00.9	44.298 N	6.386 E	10 G			0.3	7	FRANCE. ML 3.0 (LDG).
	04	15 07 38.4	37.326 N	117.187 W	5 G			0.8	25	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK), 3.3 (PAS).
•	04	15 48 29.8	65.636 N	152.684 W	10 G	5.2 4.7		0.9	134	ALASKA. ML 5.7 (PMR). Felt (V) at Tanana, (IV) at Hughes, Huslia, Indian Mountain, Livengood, Manley Hot Springs, Rampart, Utopia Creek and Galena Air Force

													Station. Felt (III) at Battles, Fairbanks, Lake Minchumina, Minto, Nulato and Shungnak
	04	10 14 57.4	23.688 N	121.985 E	20		4.7		1.1	24	TAIWAN
o	04	10 20 59.5	23.951 N	121.739 E	20		5.1 5.3		1.3	84	TAIWAN. Felt strongly at Hualien
	04	10 45 58.07	12.46 S	167.37 E	265 ?		4.7		1.0	31	SANTA CRUZ ISLANDS
	04	17 34 02.3&	62.133 N	148.596 W	40					28	CENTRAL ALASKA. <AGS-P>
	04	19 25 43.1	51.447 N	174.649 W	33 N		4.9		0.8	68	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PWR). Felt (III) on Adak.
	04	20 26 08.8*	31.799 N	141.480 E	50 ?		4.6		1.1	11	SOUTH OF HONSHU, JAPAN
	04	20 49 49.2&	59.264 N	151.978 W	86					23	KENAI PENINSULA, ALASKA. <AGS-P>
	04	21 15 18.7&	62.354 N	151.184 W	84					31	CENTRAL ALASKA. <AGS-P>
	05	00 15 56.2&	36.657 N	121.348 W	5 G					15	CENTRAL CALIFORNIA. <BRK> ML 3.1 (BRK)
o	05	00 17 48.6	20.208 S	178.869 E	536		5.2		1.0	92	SOUTH OF FIJI ISLANDS
	05	00 51 00.9*	17.988 N	101.923 W	63 *		4.4		1.2	25	NEAR COAST OF GUERRERO, MEXICO
	05	00 54 52.07	37.06 N	19.93 E	10 G				0.8	7	IONIAN SEA. ML 3.8 (ATH)
	05	01 32 48.8	31.891 S	68.356 W	23				0.9	10	SAN JUAN PROVINCE, ARGENTINA
	05	02 22 55.9*	44.947 N	6.483 E	10 G				1.4	8	FRANCE. ML 2.3 (LDG)
	05	03 04 46.1&	45.749 N	26.685 E	140 G				0.7	8	ROMANIA
	05	03 42 52.6	23.183 S	68.979 W	103 *		4.8		1.4	32	NORTHERN CHILE
	05	03 43 44.2*	28.350 N	140.636 E	33 N		4.8		1.3	9	BONIN ISLANDS REGION
	05	05 09 42.3&	47.571 N	8.438 E	10 G				0.7	8	FRANCE. ML 2.3 (LDG)
	05	05 15 16.87	17.81 N	105.58 W	10 G		4.6		1.1	17	OFF COAST OF JALISCO, MEXICO
	05	05 55 23.7*	5.163 S	131.472 E	33 N		4.7		1.4	13	BANDA SEA
	05	07 41 21.0&	41.266 N	111.679 W	12					4	UTAH. <SLC-P>. ML 2.8 (SLC)
	05	08 05 41.8&	41.267 N	111.686 W	7					13	UTAH. <SLC-P>. ML 3.0 (SLC). Felt
o	05	09 01 15.4	36.351 S	97.382 W	10 G		5.1 5.3		1.2	43	WEST CHILE RISE. Ms 5.3 (BRK)
	05	09 10 33.4	38.239 S	97.258 W	10 G		4.6		0.8	25	WEST CHILE RISE
	05	09 57 09.17	44.22 N	7.93 E	10 G				0.3	6	NORTHERN ITALY. ML 2.8 (LDG)
	05	10 08 03.9	10.151 S	116.583 E	47 *		4.9		1.3	35	SOUTH OF SUMBAWA ISLAND
	05	10 28 39.8*	10.243 S	116.796 E	33 N		4.5		1.5	12	SOUTH OF SUMBAWA ISLAND
	05	11 25 56.37	51.63 N	16.28 E	12				0.2	7	POLAND. ML 3.4 (VKA), 3.4 (KBA)
	05	12 13 22.0&	46.340 N	75.090 W	8					4	SOUTHERN QUEBEC. <OTT-P>. mbLg 3.3 (OTT)
	05	12 31 03.2	41.884 N	20.329 E	10 G				0.9	21	ALBANIA. MD 3.3 (TTG)
	05	12 56 40.2*	38.392 N	25.088 E	10 G				1.4	8	AEGEAN SEA. ML 3.5 (ATH)
	05	13 22 56.9*	59.529 N	6.213 E	10 G				1.5	5	SOUTHERN NORWAY. MD 2.0 (BER)
	05	14 22 04.77	51.89 N	174.34 W	33 N		4.5		1.4	8	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PWR). Felt on Adak.
	05	14 45 09.6	39.601 N	23.528 E	10 G				1.3	12	AEGEAN SEA. ML 3.1 (ATH)
	05	15 04 00.0&	37.098 N	116.016 W	0		5.3 4.2			160	SOUTHERN NEVADA. <DOE> ML 5.3 (BRK). 37° 05' 53.84" N., 116° 00' 55.84" W., Surface Elev. 1314 m., Depth of Burial 500 m., Shot Time 150400.084, "TAJO", Nevada Test Site (Dept. of Energy)
	05	15 24 11.2	37.137 N	115.998 W	1 G		4.2		1.3	14	SOUTHERN NEVADA. Collapse
	05	15 24 55.4*	51.604 N	174.233 W	33 N		4.7		0.7	30	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PWR). Felt on Adak.
	05	15 35 13.3	34.418 S	70.902 W	92		5.1		1.1	86	CHILE-ARGENTINA BORDER REGION. Felt (IV) at Santiago, Chile.
	05	15 39 19.1&	61.775 N	151.978 W	108					21	SOUTHERN ALASKA. <AGS-P>
	05	15 44 38.7*	58.919 S	26.857 W	33 N		4.7		0.8	11	SOUTH SANDWICH ISLANDS REGION
	05	17 32 40.8*	51.345 N	175.349 W	33 N		5.1		0.9	24	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PWR). Felt on Adak.
	05	18 30 58.2	18.075 N	66.868 W	19		4.1		1.1	12	PUERTO RICO REGION. Felt strongly in the Ponce area. Felt as far north as Caguas and as far west as Mayaguez.
	05	19 16 16.1&	59.980 N	152.302 W	68					27	SOUTHERN ALASKA. <AGS-P>
	05	20 17 49.5*	14.562 N	146.849 E	33 N		5.0 4.9		0.8	16	MARIANA ISLANDS
o	05	20 27 03.1	51.503 N	174.255 W	33 N		5.4 4.8		1.0	136	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PWR), Ms 4.8 (BRK). Felt on Adak.
	05	20 27 42.8*	38.001 N	27.224 E	10 G				0.9	7	TURKEY
	05	21 20 17.77	33.03 S	72.41 W	33 N				0.7	9	OFF COAST OF CENTRAL CHILE
	05	22 07 58.0	37.233 N	3.682 W	7 G				0.4	8	SPAIN. MD 3.0 (MDD). Felt (III) at Armilla
	05	23 00 48.97	61.22 N	7.70 E	10 G				0.8	5	SOUTHERN NORWAY. MD 1.8 (BER)
	05	23 03 00.6	31.805 S	68.200 W	100 *				1.0	21	SAN JUAN PROVINCE, ARGENTINA
	05	23 13 09.7&	58.772 N	152.521 W	60					30	KODIAK ISLAND REGION. <AGS-P>
	06	00 41 02.1	38.387 N	25.107 E	10 G				1.0	18	AEGEAN SEA. ML 3.8 (ATH)
	06	00 47 46.9	21.623 N	121.006 E	38		5.0		1.1	45	TAIWAN REGION
	06	03 46 46.4	59.736 N	153.398 W	146		4.3		0.8	51	SOUTHERN ALASKA
o	06	04 00 59.8*	56.814 S	148.957 W	10 G		5.4 5.8		1.0	18	SOUTH PACIFIC CORDILLERA
	06	04 12 32.1	43.785 N	147.726 E	49 *		5.3 4.9		1.1	121	KURIL ISLANDS. Felt (II) on Shikotan. Felt (I JMA) at Nemuro, Hokkaido.
	06	04 50 57.6	23.480 S	66.786 W	228		4.2		1.4	17	JUJUY PROVINCE, ARGENTINA
	06	06 06 42.6*	33.624 S	71.778 W	10 G				1.1	10	NEAR COAST OF CENTRAL CHILE
	06	07 11 01.9	63.252 N	149.250 W	87 ?				1.1	9	CENTRAL ALASKA
	06	08 27 31.7*	44.165 N	10.251 E	10 G				1.4	12	NORTHERN ITALY. ML 3.5 (KBA), 3.2 (LDG)
	06	09 30 56.2&	59.864 N	135.376 W	0					8	SOUTHEASTERN ALASKA. <AGS-P>
	06	09 32 04.1&	46.374 N	22.155 E	10 G				1.0	6	ROMANIA
o	06	10 39 46.9	38.001 N	37.917 E	10 G		5.6 5.6		1.1	272	TURKEY. Ms 5.8 (PAS). One person killed, 20 injured and damage in the Surgu area. Additional cracks in the Surgu Dam. A landslide blocked the road between Erkenek and Adiyaman. Felt at Malatya, Diyarbakir, Adiyaman and Urfa.
	06	10 40 49.2*	23.686 N	121.433 E	33 N		4.5		1.2	9	TAIWAN
	06	10 50 31.5?	37.67 N	37.98 E	10 G		4.6		1.4	11	TURKEY
	06	11 29 45.8	38.033 N	37.919 E	10 G		4.5		1.0	37	TURKEY
	06	12 07 54.6	38.017 N	37.876 E	10 G		4.6		1.1	14	TURKEY
	06	13 25 44.6*	38.094 N	38.040 E	10 G				1.4	8	TURKEY
	06	13 25 54.6	4.586 S	152.887 E	71		5.1		1.0	36	NEW BRITAIN REGION
	06	13 48 46.9?	48.22 N	154.88 E	33 N		4.7		1.3	20	KURIL ISLANDS
	06	14 32 31.1*	37.989 N	37.951 E	10 G				1.0	6	TURKEY
	06	14 47 33.7	50.275 N	129.646 W	10 G		4.5		0.8	35	VANCOUVER ISLAND REGION
	06	15 34 52.7	38.706 N	23.018 E	47		4.8		0.8	32	GREECE
	06	16 27 37.6&	61.852 N	150.815 W	64					29	SOUTHERN ALASKA. <AGS-P>
	06	17 08 49.7*	13.615 S	167.218 E	215 *		4.3		1.0	38	VANUATU ISLANDS

88	11	15	46.5*	38.920	N	26.761	E	10	G			0.9	8	AEGEAN SEA
88	11	18	03.6*	36.489	N	142.700	E	23		4.4		0.8	14	OFF EAST COAST OF HONSHU, JAPAN
88	11	35	51.3&	60.964	N	152.488	W	122					32	SOUTHERN ALASKA. <AGS-P>.
88	12	45	13.7&	62.191	N	150.199	W	15					28	CENTRAL ALASKA. <AGS-P>. ML 3.2 (PMR).
88	14	51	18.0	39.430	N	28.431	E	10	G			1.1	14	TURKEY
88	15	35	08.2	39.422	N	28.365	E	10	G			0.9	12	TURKEY
88	15	42	22.9*	20.661	S	69.411	W	33	N			1.3	6	NORTHERN CHILE
88	16	10	03.4*	26.247	S	26.930	E	5	G			1.2	6	REPUBLIC OF SOUTH AFRICA
88	16	43	07.7	51.074	N	177.491	W	33	N	4.7		0.8	53	ANDREANOF ISLANDS, ALEUTIAN IS.
88	17	02	47.1&	59.454	N	153.662	W	114					24	SOUTHERN ALASKA. <AGS-P>.
88	18	54	27.6*	22.783	S	68.642	W	113	*	4.4		1.6	21	NORTHERN CHILE
88	19	42	17.1	16.160	N	61.865	W	157		4.7		0.8	72	LEEWARD ISLANDS. Felt (II) at Pointe-a-Pitre, Guadeloupe.
88	20	25	41.0	18.604	S	69.693	W	141	*	4.7		1.1	14	NORTHERN CHILE
88	21	10	03.5?	24.10	S	66.85	W	215	*			1.1	9	SALTA PROVINCE, ARGENTINA
88	21	33	41.2	38.539	N	141.936	E	33	N	5.1	4.8	1.1	96	SOUTH OF HONSHU, JAPAN
88	22	54	00.8*	7.196	N	127.051	E	69	?	4.8		1.3	28	PHILIPPINE ISLANDS REGION
88	23	39	55.5%	39.435	N	28.361	E	10	G			0.6	8	TURKEY
89	00	11	56.6*	28.909	S	67.022	W	181	?			0.8	11	LA RIOJA PROVINCE, ARGENTINA
89	00	47	02.5*	32.011	S	71.508	W	33	N			0.5	10	NEAR COAST OF CENTRAL CHILE
89	00	48	18.9	20.208	S	178.879	E	548		4.9		1.1	54	SOUTH OF FIJI ISLANDS
89	01	59	37.5?	37.98	N	36.88	E	10	G			0.5	5	TURKEY
89	02	17	38.2	54.142	N	168.132	W	33	N	5.0	4.7	1.2	88	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.6 (PMR).
89	03	30	41.6	37.996	N	37.881	E	10	G	4.3		1.0	24	TURKEY
89	04	01	58.3*	6.439	S	146.749	E	33	N	3.6		0.5	5	EAST PAPUA NEW GUINEA REGION
89	04	48	06.7&	37.925	N	121.652	W	5	G				10	CENTRAL CALIFORNIA. <BRK>. ML 2.1 (BRK). Felt in the Brentwood area.
89	05	49	28.5	39.013	N	48.670	E	33	N	4.4		1.3	15	N.W. IRAN-USSR BORDER REGION. Damage to old buildings in the epicentral area. Felt (V) at Lenkoran and Lerik; (IV) at Astara, Masally and Yardymly, USSR.
89	06	16	38.5	35.889	N	139.822	E	10	G			1.3	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
89	06	46	14.3*	24.229	S	67.279	W	192	*			0.6	7	CHILE-ARGENTINA BORDER REGION
89	06	53	37.3*	15.854	S	167.293	E	132	*	4.6		1.0	30	VANUATU ISLANDS
89	07	39	20.1?	6.42	S	155.76	E	186	?	4.8		1.0	8	SOLOMON ISLANDS
89	12	26	35.7%	60.720	N	5.576	E	10	G			0.3	5	SOUTHERN NORWAY. MD 1.8 (BER).
89	13	24	06.9*	39.028	N	29.216	E	10	G			1.1	9	TURKEY
89	13	34	11.4?	59.38	N	6.75	E	10	G			0.9	5	SOUTHERN NORWAY. MD 2.1 (BER).
89	13	56	42.0?	7.77	S	128.28	E	168	?			1.2	6	BANDA SEA
89	13	56	57.6&	60.035	N	153.528	W	147					29	SOUTHERN ALASKA. <AGS-P>.
89	15	01	55.4?	39.91	N	23.88	E	10	G			0.5	6	AEGEAN SEA
89	17	02	24.2	38.321	N	141.577	E	33	N	4.8		1.1	27	SOUTH OF HONSHU, JAPAN
88	17	13	13.1?	33.13	S	69.96	W	10	G			0.6	5	CHILE-ARGENTINA BORDER REGION
88	18	15	05.9	38.842	N	37.897	E	10	G	4.2		0.8	22	TURKEY
88	20	47	13.1?	61.79	N	174.72	W	33	N	4.6		0.8	4	ANDREANOF ISLANDS, ALEUTIAN IS
88	20	48	42.9	17.428	N	139.942	E	10	G	4.4	3.8	0.9	12	LUZON, PHILIPPINE ISLANDS
* 88	21	43	59.8	35.832	N	124.485	E	149		5.1		0.9	194	NORTHEAST OF TAIWAN
88	22	23	16.9?	4.44	S	136.30	E	33	N	4.8		1.5	2	WEST IRIAN REGION
88	22	55	07.8%	42.009	N	18.992	E	10	G			0.8	7	YUGOSLAVIA. ML 2.2 (TTG).
88	00	11	34.0?	6.97	S	147.39	E	100	?	4.1		0.1	5	BISMARCK SEA
87	01	48	39.7	39.939	N	44.177	E	37	D	5.3	4.5	0.9	207	TURKMEN SSR. Felt (V) at Nebit-Dag and (III) at Krasnovodsk.
87	02	28	16.2*	18.911	S	182.714	E	33	N	4.5		0.6	6	SOLOMON ISLANDS
87	02	57	39.3*	91.272	N	15.815	E	10	G			1.4	9	POLAND. ML 3.3 (GRF). 2.6 (KRA)
87	03	08	39.4*	8.100	S	105.702	E	33	N	4.5		1.3	11	SOUTH OF JAVA
87	04	03	32.2*	22.750	S	68.757	W	169	*	3.9		1.0	12	NORTHERN CHILE
* 87	04	10	29.0	22.340	S	179.338	E	23		5.3	4.8	1.1	111	LOYALTY ISLANDS REGION
87	09	10	55.7*	27.453	S	66.346	W	33	N			1.1	7	CATAMARCA PROVINCE, ARGENTINA
87	09	18	03.7?	39.24	N	29.27	E	10	G			1.2	4	TURKEY
87	09	42	48.6*	19.892	S	168.813	E	33	N			0.4	5	VANUATU ISLANDS
87	09	58	01.6	35.430	N	129.600	W	5	G			0.6	7	CENTRAL CALIFORNIA. ML 2.8 (BRK).
87	09	52	47.1*	28.453	N	140.540	E	33	N	4.7		1.5	22	BONIN ISLANDS REGION
87	10	04	54.8	23.360	S	176.964	W	33	N	5.3	4.9	1.2	47	SOUTH OF FIJI ISLANDS
87	12	26	13.6	28.492	S	177.661	W	411		5.0		1.0	68	FIJI ISLANDS REGION
87	12	26	25.3	5.391	S	76.932	W	128	D	5.0		0.9	82	NORTHERN PERU
87	12	27	20.9%	38.593	N	4.111	W	0	G			0.7	5	SPAIN. Probable explosion
87	12	39	01.8	5.232	S	151.913	E	68		4.8		1.1	37	NEW BRITAIN REGION
87	15	56	58.5	22.876	N	121.377	E	49	*	4.2		1.2	20	TAIWAN REGION
87	15	58	59.8	51.550	N	174.873	W	33	N	4.8	4.6	0.9	73	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
87	16	37	46.9	6.845	N	72.990	W	166		4.8		1.1	32	NORTHERN COLOMBIA. Felt at Bucaramanga
87	18	54	28.7&	58.812	N	151.565	W	91					24	KODIAK ISLAND REGION. <AGS-P>.
87	19	15	56.6*	14.873	S	176.882	W	33	N	4.9	5.0	0.8	49	FIJI ISLANDS REGION
87	20	03	24.1	41.215	N	19.506	E	15		4.2		1.0	36	ALBANIA. ML 4.6 (ATH).
87	20	06	26.3	41.189	N	19.478	E	11		4.6		1.2	35	ALBANIA. ML 4.6 (ATH).
87	20	08	29.4	3.930	S	131.488	E	33	N	4.3		1.3	22	WEST IRIAN REGION
87	21	06	41.7	51.221	N	179.992	E	33	N	5.0	4.1	1.0	90	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.8 (PMR).
87	21	33	21.7	37.432	N	3.488	W	5	G			1.3	10	SPAIN. MG 3.3 (MDD). Felt (IV) at Iznalloz.
87	21	45	44.9	41.123	N	19.702	E	16				0.6	16	ALBANIA. ML 3.8 (TTG).
88	02	30	48.9*	17.885	N	145.760	E	166	*	4.9		1.0	25	MARIANA ISLANDS
88	02	51	2*.8	41.122	N	19.626	E	18		3.9		1.2	22	ALBANIA
* 88	04	25	04.5	36.483	N	142.793	E	20		5.0	5.3	1.1	117	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Onahama.
88	04	49	48.9	44.582	N	10.685	E	15				1.1	25	NORTHERN ITALY. ML 3.2 (LDG)
* 88	04	55	01.5	36.869	N	21.555	E	27		5.2	4.9	1.2	191	SOUTHERN GREECE. ML 4.7 (ATH).
88	05	17	59.6	51.681	N	174.812	W	33	N	4.8		1.0	66	ANDREANOF ISLANDS, ALEUTIAN IS.
88	08	52	55.3?	24.58	N	108.01	W	10	G	3.7		1.5	8	CENTRAL MEXICO
88	10	52	14.7*	23.494	S	66.774	W	232	*			0.8	7	JUJUY PROVINCE, ARGENTINA
f 88	11	02	25.8	43.269	N	146.491	E	56	G	6.0		0.9	346	KURIL ISLANDS. mb 5.5 (PAS), 5.4 (BRK). Felt (V) on Shikotan and at Yuzhno-Kurilsk; (IV) at Kurilsk. Felt (III JMA) at Nemuro and Kushiro; (II JMA) at Abashiri and Obihiro; (I JMA) at Urakawa, Hokkaido. Felt (II JMA) at Hachinohe and Miyako; (I JMA) at Morioka, Ofunato and Fukushima, Honshu. Felt also at Sendai, Honshu. Depth from broadband displacement seismograms.

09	17	59	21.9?	40.29	N	25.08	E	10	G			1.9	6	AEGEAN SEA
09	17	51	38.4•	20.371	S	177.821	W	670	•	4.6		1.1	31	FIJI ISLANDS REGION
09	17	58	39.9	46.074	N	8.002	E	10	G			1.3	17	SWITZERLAND. ML 2.8 (LDG)
09	19	10	07.6	41.043	N	23.400	E	10	G			1.0	11	GREECE-BULGARIA BORDER REGION
09	19	18	07.0?	30.44	S	71.58	W	33	N			1.0	13	NEAR COAST OF CENTRAL CHILE
09	19	27	31.6	40.935	N	23.567	E	10	G			1.3	13	GREECE
09	20	21	16.8•	8.734	S	157.073	E	33	N	4.3		0.8	7	SOLOMON ISLANDS
09	21	42	22.1?	18.57	N	95.46	W	33	N			0.5	6	VERA CRUZ, MEXICO
09	21	49	07.3	47.082	N	9.276	E	10	G			0.9	7	GERMANY
09	21	58	48.5•	2.375	S	139.029	E	33	N	5.2		0.6	12	NEAR N. COAST OF WEST IRIAN
09	23	04	58.2	38.712	N	2.374	W	10	G			0.9	11	SPAIN. MC 3.3 (MDD). Felt (V) at Alcaraz, Vianos and Bogarra; (IV) at El Bonillo, Penas de San Pedro, Torres de Albanchez, Alborodejo, Motilicos and Peñascosa
10	00	46	24.0•	43.427	N	17.682	E	10	G			1.3	11	YUGOSLAVIA. ML 3.8 (TTG)
10	00	51	10.7•	20.406	S	67.143	W	10	G			1.2	8	SOUTHERN BOLIVIA
10	00	54	15.5•	45.943	N	5.147	E	10	G			1.4	13	FRANCE. ML 2.8 (LDG)
10	01	32	58.4&	36.637	N	121.302	W	0					20	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK)
10	05	02	53.7	46.374	N	12.589	E	10				1.1	11	NORTHERN ITALY. ML 2.9 (TRI), 2.7 (VBA). Felt (III) at Trieste
10	05	33	09.0•	51.277	N	178.001	W	33	N	4.3		1.2	18	ANDREANOF ISLANDS, ALEUTIAN IS
10	07	11	19.9•	40.594	N	22.362	E	10	G			0.2	8	GREECE
10	07	48	01.7&	34.056	N	95.592	W	5	G				4	OKLAHOMA. <TUL>. mbLg 1.5 (TUL)
10	07	57	39.9	38.051	N	37.976	E	10	G	4.7		1.1	49	TURKEY
10	09	49	28.7•	61.955	N	124.678	W	10	G			0.9	5	NORTHWEST TERRITORIES, CANADA
10	09	58	46.0&	61.005	N	147.230	W	16					30	SOUTHERN ALASKA. <AGS-P>
10	10	29	59.0	36.392	N	120.395	W	10	G			0.8	13	CENTRAL CALIFORNIA. ML 2.7 (BRK)
10	12	08	42.9&	60.636	N	150.486	W	42					40	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.4 (PWR)
10	13	42	29.1&	31.960	N	117.390	W	6	G				8	OFF W. COAST OF BAJA CALIFORNIA. <PAS-P>. ML 3.3 (PAS)
10	13	58	44.0&	49.350	N	120.790	W	18	G				13	BRITISH COLUMBIA. <PGC-P>. ML 3.0 (PGC), 3.3 (NEIS)
10	15	08	21.4	6.832	S	72.108	E	10	G	5.0	4.6	1.1	53	CHAGOS ARCHIPELAGO REGION. Felt (III) on Diego Garcia
10	15	15	41.9•	51.312	N	175.976	W	33	N	4.5		1.4	29	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PWR)
10	15	43	28.0?	46.52	N	2.93	E	10	G			0.1	4	FRANCE
10	16	04	45.2•	32.643	S	69.044	W	33	N			0.2	5	MENDOZA PROVINCE, ARGENTINA
10	16	25	35.0•	32.075	S	71.160	W	33	N			0.2	8	NEAR COAST OF CENTRAL CHILE
10	16	38	04.9?	18.05	S	178.45	W	600	?	4.5		1.4	19	FIJI ISLANDS REGION
10	17	57	23.6•	51.357	N	175.776	W	33	N	4.6		1.3	14	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PWR)
10	23	07	20.7	42.324	N	19.958	E	10	G			0.6	9	YUGOSLAVIA. MD 2.7 (TTG)
10	23	12	48.5%	38.815	N	27.612	E	10	G			1.1	6	TURKEY
10	01	50	37.0%	31.917	S	68.077	W	10	G			1.4	5	SAN JUAN PROVINCE, ARGENTINA
11	01	59	08.1•	32.564	S	71.878	W	33	N	4.4		1.2	16	NEAR COAST OF CENTRAL CHILE
a 11	02	59	01.4	2.100	S	139.279	E	33	N	5.5	5.8	1.4	130	NEAR N. COAST OF WEST IRIAN
11	03	12	12.6	2.062	S	139.128	E	33	N	5.2		1.0	33	NEAR N. COAST OF WEST IRIAN
11	04	02	56.1	1.974	S	139.264	E	33	N	4.8		1.0	24	NEAR N. COAST OF WEST IRIAN
11	04	22	00.2•	1.992	S	138.883	E	33	N	4.5		0.8	7	NEAR N. COAST OF WEST IRIAN
11	05	16	46.7•	24.258	N	121.894	E	80	•	4.2		0.7	10	TAIWAN
11	05	44	50.4•	14.053	N	91.539	W	107				1.1	18	GUATEMALA
11	06	12	42.3&	47.776	N	120.168	W	5	G				5	WASHINGTON. <SEA-P>. CL 2.7 (SEA), ML 2.4 (NEIS). Felt (III) at Chelan, Chelan Falls and Entiat. Felt (II) at Ardenvoir.
a 11	06	18	18.0	15.449	S	179.227	W	18	•	5.6	5.7	1.3	131	FIJI ISLANDS REGION. Ms 5.9 (BRK)
11	07	12	29.9	47.635	N	147.917	E	389	D	4.9		0.9	126	NORTHWEST OF KURIL ISLANDS
11	07	44	19.2	36.792	N	121.267	W	10	G			0.5	13	CENTRAL CALIFORNIA. ML 2.5 (BRK)
11	07	51	33.2•	36.780	N	20.539	E	10	G	4.4		0.9	21	MEDITERRANEAN SEA. ML 3.8 (ATH)
11	07	53	03.6&	60.544	N	145.890	W	12					32	SOUTHERN ALASKA. <AGS-P>
11	09	07	43.4•	3.571	S	145.961	E	33	N	4.7		1.1	8	NEAR N COAST OF PAPUA NEW GUINEA
11	10	19	09.9&	62.219	N	149.962	W	65					25	CENTRAL ALASKA. <AGS-P>.
11	12	41	05.9	40.302	N	51.673	E	33	N	5.0	3.6	0.9	95	CASPIAN SEA
11	13	03	01.8&	36.945	N	121.635	W	8					12	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt at Gilroy.
f 11	13	48	01.3	10.597	N	62.928	W	19	G	6.0	6.2	1.2	345	NEAR COAST OF VENEZUELA. Ms 6.1 (PAS), 5.9 (BRK). Two people killed, 45 injured and many left homeless in the Cariaco area. Damage (VII) at Carupano, El Pilar and Rio Caribe. Felt (V) at Cumana and Maturin; (III) at Caracas. Felt at Barcelona, Puerto La Cruz and Valencia. Felt strongly on Trinidad; also felt at Bogota and Bucaramanga, Colombia.
11	15	08	59.6&	36.622	N	121.282	W	7					16	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK), 3.5 (PAS). Felt at Hollister and Salinas.
11	15	17	05.6•	30.457	N	141.899	E	33	N	4.3		0.8	11	SOUTH OF HONSHU, JAPAN
11	17	37	02.9•	28.138	S	66.456	W	155	•	4.4		0.4	11	CATAMARCA PROVINCE, ARGENTINA
11	18	37	31.4•	27.645	S	67.453	W	180	?			0.9	6	CATAMARCA PROVINCE, ARGENTINA
11	18	59	52.7?	7.82	S	117.65	E	281	?			0.5	8	BALI SEA
11	19	37	32.0•	10.372	N	62.984	W	20	G	4.6		1.8	12	NEAR COAST OF VENEZUELA
a 11	20	15	42.1	40.245	N	51.665	E	47		5.1	4.7	0.9	185	CASPIAN SEA. Felt (III) at Baku, USSR
11	21	05	58.3	38.365	N	25.154	E	10	G	4.4		1.0	35	AEGEAN SEA. ML 4.0 (ATH)
11	21	39	47.3	18.265	N	100.644	W	52	D	5.1		1.4	117	GUERRERO, MEXICO. Felt (III) at Mexico City. Felt also at Puebla.
11	22	42	33.3•	10.718	S	161.973	E	64	•	4.4		1.4	13	SOLOMON ISLANDS
11	23	14	38.6	14.994	N	93.206	W	51	D	4.8		1.3	79	NEAR COAST OF CHIAPAS, MEXICO
11	23	15	04.2?	20.72	S	178.34	W	627	?	4.9		0.8	23	FIJI ISLANDS REGION
12	00	09	37.8?	52.53	N	176.22	W	33	N	4.4		0.2	6	ANDREANOF ISLANDS, ALEUTIAN IS.
12	01	09	49.6	36.466	N	11.356	E	10	G	4.7		1.1	22	TUNISIA
12	01	42	45.3%	46.127	N	2.738	E	10	G			0.4	10	FRANCE. ML 2.2 (LDG).
12	01	45	05.6?	19.16	N	104.99	W	33	N	4.2		1.4	7	NEAR COAST OF JALISCO, MEXICO
12	02	00	19.7?	16.43	N	96.72	W	33	N	4.0		1.4	9	OAXACA, MEXICO
12	02	02	26.9•	38.273	N	25.174	E	10	G			1.4	10	AEGEAN SEA. ML 3.6 (ATH).
12	03	15	54.2	21.285	S	69.254	W	147	•			1.0	15	NORTHERN CHILE
12	03	23	42.9	31.325	S	68.836	W	118		4.3		1.1	25	SAN JUAN PROVINCE, ARGENTINA
12	03	59	40.6•	2.066	S	139.192	E	33	N	4.9		1.4	19	NEAR N. COAST OF WEST IRIAN
12	04	17	25.0•	44.160	N	11.293	E	19	•			0.6	7	NORTHERN ITALY. MC 2.4 (VOY).
12	04	17	56.7	2.020	S	139.310	E	33	N	4.9		1.2	28	NEAR N. COAST OF WEST IRIAN
12	05	52	16.0	43.222	N	135.324	E	354	•	4.5		0.8	60	NEAR E. COAST OF EASTERN USSR

	12	06 41 46.8	39.842	W	29.645	E	6				0.7	13	TURKEY	
	12	06 48 03.78	39.823	W	29.787	E	10	G			1.4	10	TURKEY	
	12	06 52 42.0	39.831	W	29.666	E	10	G			1.0	15	TURKEY	
	12	07 01 36.88	44.760	W	29.730	E	10	G			0.9	9	ROMANIA	
	12	08 47 27.9+	29.832	S	71.457	W	33	N			0.9	9	NEAR COAST OF CENTRAL CHILE	
*	12	09 28 49.0	14.437	W	121.843	E	33	N	5.0	5.3	1.2	48	LUZON, PHILIPPINE ISLANDS	
	12	10 01 20.47	22.21	S	66.68	W	290	?			1.0	14	JUJUY PROVINCE, ARGENTINA	
	12	10 34 54.7	25.173	S	179.648	E	550	•	4.9		1.2	71	SOUTH OF FIJI ISLANDS	
	12	10 47 39.8+	38.340	W	25.949	E	10	G			1.4	9	AEGEAN SEA. ML 3.3 (ATH).	
	12	12 26 45.05	38.572	N	4.133	W	9	G			0.2	5	SPAIN. Probable explosion.	
	12	13 23 47.8+	10.363	N	62.947	W	29	•	4.5		1.5	13	NEAR COAST OF VENEZUELA	
*	12	13 48 48.7	7.819	S	129.697	E	116	D	5.5		1.1	143	BANDA SEA	
	12	14 18 51.47	65.75	N	28.95	E	179	?			1.4	11	ROMANIA	
	12	15 10 33.4+	0.454	S	123.619	E	131	?	5.2		1.4	10	FLORES ISLAND REGION	
	12	15 14 34.8+	42.397	N	105.894	W	29	G			1.6	6	WYOMING. ML 3.0 (NEIS).	
	12	15 24 06.17	11.96	S	121.69	E	33	N	3.4		0.8	8	SOUTH OF TIMOR	
	12	15 27 00.27	38.78	N	25.42	E	10	G			1.5	8	AEGEAN SEA. ML 3.2 (ATH).	
	12	15 46 42.8	44.358	N	10.634	E	10	G			0.7	9	NORTHERN ITALY. ML 3.0 (LDG). 2.9 (NBA).	
	12	17 06 48.5+	41.017	N	19.610	E	10	G			0.7	10	ALBANIA. ML 2.7 (TTG).	
	12	17 44 51.05	59.291	N	6.923	E	10	G			0.8	7	SOUTHERN NORWAY. MD 2.2 (BER).	
	12	17 57 55.04	62.379	N	151.781	W	108					15	CENTRAL ALASKA. <AGS-P>.	
	12	18 16 20.7+	2.328	S	79.866	W	88	•	4.8		1.1	16	NEAR COAST OF ECUADOR. Felt at Guayaquil and Riobamba	
	12	18 39 35.87	16.59	S	71.24	W	33	N			1.5	5	SOUTHERN PERU	
	12	19 02 51.45	59.286	N	5.670	E	10	G			0.6	5	SOUTHERN NORWAY. MD 1.7 (BER).	
	12	19 52 05.6	4.932	N	94.077	E	33	N	4.8		1.2	24	OFF W COAST OF NORTHERN SUMATERA	
	12	21 04 37.7+	29.138	N	130.245	E	54	•	4.8		1.3	28	RYUKYU ISLANDS	
	12	22 09 15.37	40.37	N	13.44	E	10	G			1.6	4	AUSTRIA	
	12	22 17 46.87	45.92	N	3.13	E	10	G			0.2	5	FRANCE. ML 1.9 (LDG).	
	12	22 19 58.7	43.673	N	87.336	E	33	N	4.6		0.9	92	NORTHERN XINJIANG, CHINA	
	12	00 07 14.8+	78.783	N	2.738	E	10	G	4.8		1.1	9	GREENLAND SEA	
	13	00 00 55.8+	8.219	S	120.270	E	73	•	4.4		0.8	11	MOLUCCA SEA	
	13	03 10 56.97	21.16	S	68.92	W	33	N			0.6	5	CHILE-BOLIVIA BORDER REGION	
	13	04 23 17.4+	33.448	S	72.848	W	33	N			1.2	17	OFF COAST OF CENTRAL CHILE. Felt (III) in the Valparaiso area.	
	13	07 17 54.9+	29.684	S	67.812	W	136	?			1.0	8	LA RIOJA PROVINCE, ARGENTINA	
	13	08 13 17.27	16.72	N	98.29	W	33	N			1.5	5	NEAR COAST OF GUERRERO, MEXICO	
	13	08 14 15.6	P.861	N	73.416	W	146	•			0.7	13	NORTHERN COLOMBIA	
	13	08 28 48.07	53.40	N	163.57	W	33	N	4.7		1.5	14	UNIMAK ISLAND REGION	
	13	09 25 51.9	53.558	N	163.873	W	33	N	4.8		1.1	67	UNIMAK ISLAND REGION	
	13	11 31 37.6+	13.814	N	92.413	W	33	N	4.5		0.9	19	OFF COAST OF CHIAPAS, MEXICO	
	13	13 01 23.3	1.933	N	126.538	E	70	?	4.8		0.9	17	MOLUCCA PASSAGE	
	13	13 04 56.7+	58.870	N	8.098	W	10	G			0.6	11	UNITED KINGDOM. ML 3.2 (LDG).	
	13	13 25 15.48	36.000	N	119.940	W	6	G				9	CENTRAL CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.2 (BRK). Felt (II) at Orosi.	
	13	13 25 38.48	61.869	N	151.057	W	69					26	SOUTHERN ALASKA. <AGS-P>.	
	13	13 48 21.9+	32.985	N	88.180	W	7					5	SOUTH CAROLINA. <GLD>. MD 1.1 (GLD).	
	13	14 03 54.77	54.15	N	164.35	W	33	N	4.7		1.0	14	UNIMAK ISLAND REGION	
	13	15 08 24.8+	7.727	S	115.980	E	247	•	4.7		0.9	14	BALI SEA	
	13	17 04 55.57	12.09	S	77.73	W	33	N			1.4	8	NEAR COAST OF PERU. Felt (II) at Lima.	
	13	17 31 00.3+	24.308	S	67.297	W	200	•			0.7	10	CHILE-ARGENTINA BORDER REGION	
	13	18 05 32.1+	2.111	S	138.974	E	33	N	4.5		1.5	19	WEST IRIAN	
	13	18 37 04.2+	43.628	N	127.388	W	10	G	4.4		1.3	20	OFF COAST OF OREGON	
	13	20 08 05.7+	52.069	N	178.038	E	106	•	4.6		0.6	13	RAT ISLANDS, ALEUTIAN ISLANDS	
	13	20 16 26.8	44.837	N	111.527	W	5	G			0.4	10	HEBGEN LAKE REGION. ML 3.1 (NEIS).	
	13	20 53 19.1	49.475	N	23.489	E	10	G			1.4	9	GREECE	
	13	22 09 39.3	28.227	N	140.631	E	33	N	5.0	4.6	1.2	27	BONIN ISLANDS REGION	
	14	01 12 57.4	39.589	N	28.314	E	12				0.6	32	TURKEY	
	14	01 15 10.17	39.05	N	28.64	E	10	G			1.5	5	TURKEY	
*	14	03 26 52.2	56.388	N	161.916	W	190	D	4.4		1.1	42	ALASKA PENINSULA	
	14	03 58 25.6	57.873	S	23.384	W	33	N	5.9	5.8	1.2	133	SOUTH SANDWICH ISLANDS REGION	
	14	04 36 04.6+	5.431	S	147.229	E	228		4.8		1.0	28	EAST PAPUA NEW GUINEA REGION	
	14	06 46 38.3%	39.489	N	28.329	E	10	G			1.0	8	TURKEY	
	14	06 55 01.27	37.83	N	71.56	E	195	?	4.3		1.4	15	AFGHANISTAN-USSR BORDER REGION	
	14	09 10 05.9	7.445	N	76.214	W	45	•	4.4	3.9	1.4	32	NORTHERN COLOMBIA	
	14	09 49 11.8+	17.878	S	178.633	W	606	•	5.0		1.0	64	FIJI ISLANDS REGION	
	14	09 53 29.27	41.70	N	126.54	W	10	G	3.7	4.1	1.5	11	OFF COAST OF NORTHERN CALIFORNIA	
	14	12 44 23.8+	39.361	N	27.925	E	10	G			0.4	5	TURKEY	
	14	14 01 17.2+	24.219	S	66.732	W	225	•			0.9	9	SALTA PROVINCE, ARGENTINA	
*	14	14 51 03.5	2.041	N	97.997	E	66		5.4		1.0	206	NORTHERN SUMATERA	
	14	14 54 56.78	88.626	N	150.527	W	54					38	KENAI PENINSULA, ALASKA. <AGS-P>.	
	15	00 55.07	57.81	S	25.45	W	33	N	4.9		0.8	11	SOUTH SANDWICH ISLANDS REGION	
*	14	15 33 56.9	5.651	S	110.343	E	563		5.5		1.1	165	JAVA SEA	
	14	15 54 59.67	5.36	S	104.24	E	114	?	4.3		0.9	17	SOUTHERN SUMATERA	
	14	17 15 46.0+	5.682	S	110.339	E	562	•	4.3		0.8	18	JAVA SEA	
	14	17 50 25.0	36.881	N	22.030	E	48		4.6	3.7	1.2	145	SOUTHERN GREECE	
	14	18 04 12.4+	44.989	N	10.355	E	10	G			1.4	7	NORTHERN ITALY. ML 2.8 (LDG).	
	14	18 38 09.2	49.888	N	128.700	W	10	G	4.2		1.1	31	VANCOUVER ISLAND REGION	
	14	18 55 47.1	44.106	N	7.515	E	10	G			0.7	8	NORTHERN ITALY. ML 2.8 (LDG).	
	14	19 18 06.3+	36.177	N	22.229	E	64	•	4.8		1.5	27	SOUTHERN GREECE	
	14	19 24 01.6+	14.522	S	167.272	E	33	N	4.5		1.5	9	VANUATU ISLANDS	
	14	20 31 44.2	37.282	N	121.643	W	5	G			0.6	12	CENTRAL CALIFORNIA. ML 2.7 (BRK).	
	14	22 12 38.7+	66.430	N	149.756	W	10	G			1.4	5	ALASKA. ML 3.2 (PWR).	
*	14	23 29 23.3	19.896	S	169.776	E	16		5.3	5.6	1.4	161	VANUATU ISLANDS. Ms 5.9 (BRK).	
	14	23 37 41.8	19.959	S	169.685	E	17	•	5.3		1.5	68	VANUATU ISLANDS	
	14	23 53 23.8	36.169	N	139.822	E	33	N			1.1	8	HONSHU, JAPAN. Felt (II JMA) at Utsunomiya, Mito and Maebashi and (I JMA) at Kumagaya.	
	15	01 05 45.8+	33.221	S	71.311	W	33	N			1.0	14	NEAR COAST OF CENTRAL CHILE	
	15	02 02 19.2+	62.534	N	124.167	W	10	G			1.1	7	NORTHWEST TERRITORIES, CANADA	
	15	02 22 52.9+	51.396	N	174.768	W	33	N	4.3		1.1	28	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PWR). Felt (III) on Adak.	
*	15	03 10 57.1	29.872	S	176.543	W	10	G	5.3	6.0	1.5	86	KERMADEC ISLANDS REGION. Ms 6.2 (BRK), 5.8 (PAS).	
	15	03 52 57.5	45.139	N	7.627	E	10	G			1.1	23	NORTHERN ITALY. ML 3.0 (LDG).	
	15	05 00 14.7	0.488	N	100.257	E	100		4.6		0.8	52	NORTHERN SUMATERA	

	15	00 01 23.47	41.97	N	23.10	E	10 G			0.0	4	GREECE-BULGARIA BORDER REGION
	15	00 55 34.6+	72.587	N	125.500	E	10 G	4.7 4.2		1.2	19	CENTRAL SIBERIA
	15	00 00 56.07	19.16	S	169.58	E	33 N	4.5		1.4	17	VANUATU ISLANDS
	15	00 18 53.6	38.042	N	37.920	E	10 G	4.4		1.0	59	TURKEY
	15	00 28 01.6+	38.232	N	38.019	E	10 G			1.4	6	TURKEY
	15	00 30 38.6+	11.006	S	117.307	E	33 N	3.8		0.0	7	SOUTH OF SUMBAWA ISLAND
	15	00 42 53.3	6.949	N	70.283	W	33 N	4.3		1.2	39	NORTHERN COLOMBIA
	15	10 02 24.3	38.011	N	37.880	E	10 G	4.3		1.0	49	TURKEY
	15	11 00 58.19	26.42	N	111.70	W	10 G	3.9		1.8	12	GULF OF CALIFORNIA
	15	14 00 51.3&	38.706	N	119.402	W	5 G				8	CALIFORNIA-NEVADA BORDER REGION. <PEN>. MD 3.2 (PEN). Felt (IV) at Bellington, Nevada. Also felt at Smith, Nevada.
	15	14 54 13.7	1.954	S	100.849	E	87	5.3		1.0	110	SOUTHERN SUMATERA
	15	14 54 32.2+	28.424	S	67.843	W	150 •			0.5	12	LA RIOJA PROVINCE, ARGENTINA
	15	15 01 01.07	62.01	N	4.05	E	10 G			0.8	6	NORWEGIAN SEA. MD 3.0 (BER)
	15	15 06 12.3	2.015	S	100.771	E	70 •	5.0		1.0	60	SOUTHERN SUMATERA
	15	17 14 29.9	36.522	N	137.096	E	273	4.5		0.7	30	HONSHU, JAPAN
	15	17 32 35.9	4.288	N	32.680	W	10 G	4.9 4.6		0.8	56	CENTRAL MID-ATLANTIC RIDGE
	15	19 14 35.0&	40.178	N	29.440	E	10 G			0.9	5	TURKEY
	15	20 39 58.9	0.365	S	124.320	E	33 N	4.9		1.5	38	MOLUCCA SEA
	15	21 27 04.8+	52.989	N	2.192	E	10 G			1.1	27	NORTH SEA. ML 3.2 (LDG), 3.0 (BGS)
	15	23 54 16.8+	51.587	N	175.359	W	33 N	4.4		1.3	15	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	23 55 24.6	18.740	S	178.083	W	651 ?	4.8		0.8	22	FIJI ISLANDS REGION
o	15	23 58 44.3	0.831	N	26.005	W	10 G	4.9 4.9		1.1	111	CENTRAL MID-ATLANTIC RIDGE
	16	01 00 04.3&	60.185	N	152.532	W	104				21	SOUTHERN ALASKA. <AGS-P>.
	16	01 34 26.8	38.500	N	25.140	E	10			1.4	15	AEGEAN SEA. ML 3.6 (ATH).
	16	02 37 53.7	38.391	N	25.160	E	10 G			1.0	12	AEGEAN SEA. ML 3.5 (ATH).
	16	03 38 35.3?	40.47	S	176.60	E	79 •			1.6	9	NORTH ISLAND, NEW ZEALAND. Felt at Palmerston North and Woodville.
o	16	04 52 08.4+	49.142	S	121.335	E	10 G	4.8 5.1		1.5	38	SOUTH OF AUSTRALIA
	16	04 52 27.3+	40.384	N	22.578	E	10 G			1.1	7	GREECE
	16	05 41 24.2+	12.368	S	43.958	E	10 G	4.7		1.4	44	NORTHWEST OF MADAGASCAR
	16	05 51 08.3+	17.260	N	99.459	W	63 •	4.5		0.9	21	GUERRERO, MEXICO
	16	07 11 22.3?	19.99	S	177.52	W	548 ?	4.7		1.2	19	FIJI ISLANDS REGION
	16	07 11 56.07	48.68	N	9.01	E	10 G			0.4	5	GERMANY
	16	07 38 15.1?	51.26	N	16.04	E	10 G			1.5	6	POLAND
	16	08 54 18.1?	59.28	N	6.97	E	10 G			1.1	5	SOUTHERN NORWAY. MD 1.9 (BER).
	16	09 55 17.7+	6.987	S	130.782	E	78 ?	5.2		1.5	14	BANDA SEA
	16	10 06 56.8+	23.620	N	44.534	W	10 G	4.5		0.9	34	NORTH ATLANTIC RIDGE
	16	10 24 46.1	4.673	S	69.170	E	10 G	5.1		0.9	77	CHAGOS ARCHIPELAGO REGION
	16	10 26 46.3	40.016	N	19.580	E	33 N	4.0		1.2	48	ALBANIA. ML 4.2 (ATH), 3.8 (TTG).
	16	10 27 14.8+	21.085	S	69.955	W	119 ?			1.1	9	NORTHERN CHILE
f	16	10 48 25.7	22.037	S	178.925	W	547 G	6.3		1.1	422	SOUTH OF FIJI ISLANDS. mb 6.4 (PAS), 5.8 (BRK). Felt (II) at Suva, Fiji and on Raoul Island, Kermadec Islands. Two events about 1.5 seconds apart. First event is considerably smaller. Depth from broadband displacement seismograms, based on larger event.
	16	11 36 54.1?	11.58	S	167.40	E	129 ?	4.1		0.9	7	SANTA CRUZ ISLANDS
	16	12 56 09.7	10.619	S	119.180	E	49 •	5.0		1.4	18	SUMBA ISLAND REGION
	16	13 30 03.3?	22.51	S	170.38	E	33 N	4.0		1.8	15	LOYALTY ISLANDS REGION
	16	13 58 40.0+	35.416	N	141.170	E	33 N	4.5		1.2	19	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Choshi and (I JMA) at Mito.
	16	14 04 34.6	36.349	N	71.109	E	33 N	4.9		1.2	62	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog, USSR. Felt at Chitral and Peshawar, Pakistan.
	16	14 35 17.1&	40.636	N	23.040	E	10 G			0.3	5	GREECE
	16	15 15 27.8?	16.40	S	36.01	E	10 G			1.3	5	MOZAMBIQUE. MG 3.1 (BUL)
	16	15 43 05.4+	8.358	N	126.648	E	75 •	5.0		1.5	26	MINDANAO, PHILIPPINE ISLANDS
	16	15 54 38.0&	49.390	N	127.070	W	31	4.9 5.0			138	VANCOUVER ISLAND REGION. <PGC-P>. ML 5.3 (PGC). Felt (IV) at Tahsis and Estevan Point. Felt on most of Vancouver Island from Victoria to Port Hardy and in the Vancouver area of mainland British Columbia. Also felt in northwestern Washington.
	16	16 23 49.2	7.309	N	123.489	E	66 •	4.6		1.4	29	MINDANAO, PHILIPPINE ISLANDS
o	16	17 15 10.0	47.282	S	13.324	W	10 G	5.3 5.5		1.2	100	SOUTH ATLANTIC RIDGE
	16	19 54 02.5+	14.996	N	94.164	W	33 N	4.8		1.0	58	OFF COAST OF CHIAPAS, MEXICO
	16	20 51 42.2+	2.412	S	134.587	E	33 N			0.7	6	WEST IRIAN REGION
	16	21 54 02.0&	61.838	N	149.433	W	43				37	SOUTHERN ALASKA. <AGS-P>. ML 3.8 (PMR). Felt (III) at Hatcher Pass. Felt (II) at Anchorage, Palmer and Willow.
	16	21 57 38.8+	21.458	S	69.219	W	220 ?	5.0		1.2	10	NORTHERN CHILE
	16	23 03 47.8	30.321	S	177.890	W	10 G	5.1 4.7		1.0	48	KERMADEC ISLANDS. Felt (III) on Raoul Island.
o	17	00 42 35.4	53.880	N	160.388	E	33 N	5.9 4.8		0.9	289	NEAR EAST COAST OF KAMCHATKA
	17	01 35 45.0?	45.29	N	3.49	E	10 G			1.2	6	FRANCE. ML 2.8 (LDG).
	17	02 08 13.6+	45.655	N	150.063	E	33 N	4.7		0.7	27	KURIL ISLANDS
	17	02 30 31.9+	38.058	N	37.892	E	10 G	4.0		1.5	20	TURKEY
	17	03 22 42.4	31.861	S	70.073	W	118	4.5		1.2	25	CHILE-ARGENTINA BORDER REGION. Felt (II) at Mendoza, Argentina.
	17	03 53 31.9	23.045	S	69.119	W	97	5.2		1.1	89	NORTHERN CHILE. Felt (IV) at Taconao and (III) at Antofagasta.
	17	04 19 10.4	50.889	N	2.622	E	10 G			0.7	20	FRANCE. ML 2.9 (LDG).
	17	06 30 12.8?	4.89	N	21.10	E	10 G	4.5		1.1	6	CENTRAL AFRICAN REPUBLIC
	17	06 48 06.2+	21.276	S	68.821	W	173 •			0.8	9	CHILE-BOLIVIA BORDER REGION
	17	06 48 38.6+	39.909	N	23.794	E	10 G			0.9	9	AEGEAN SEA
o	17	08 48 19.0	4.406	N	32.622	W	10 G	5.1 4.9		1.0	91	CENTRAL MID-ATLANTIC RIDGE
	17	09 42 47.4+	1.771	S	26.802	E	10 G			1.7	9	ZAIRE REPUBLIC. MG 4.6 (LSZ)
	17	10 21 13.4&	48.295	N	7.635	E	10 G			0.3	6	FRANCE. ML 2.5 (LDG).
o	17	10 38 17.2	5.776	N	126.742	E	33 N	5.9 5.5		1.0	295	MINDANAO, PHILIPPINE ISLANDS. Felt (II RF) at Cagayan de Oro. Also felt at Davao.
o	17	12 19 20.8	20.346	S	68.841	E	10 G	5.5 5.3		1.0	151	MID-INDIAN RISE
	17	14 10 39.2&	59.791	N	153.392	W	118				44	SOUTHERN ALASKA. <AGS-P>.
	17	14 35 11.9	44.531	N	9.741	E	10 G			1.1	28	NORTHERN ITALY. ML 3.3 (LDG), 3.1 (KBA).
	17	16 03 07.5+	51.489	N	175.186	W	33 N	4.5		1.3	15	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
	17	16 26 11.7+	3.023	N	126.594	E	92 ?	4.4		0.9	10	TALAUD ISLANDS

	17	18 21 43.9+	60.59 N	5.00 E	10 G				0.6	4	SOUTHERN NORWAY. MD 1.8 (BER).
	17	18 49 31.7	45 453 S	4.481 E	9				0.8	16	FRANCE. ML 2.8 (LDG).
	17	17 17 15.2	22 896 S	68 916 W	112 •	4.8			1.4	15	NORTHERN CHILE
	17	17 05 43.8R	61 601 N	151 888 W	72					34	SOUTHERN ALASKA. <AGS-P>.
	17	17 54 21.0	38 434 S	25 856 E	10 G	4.6	5.2		1.4	122	AEGEAN SEA. ML 4.6 (ATH).
	17	17 59 07.9R	61 282 N	149 868 W	32					35	SOUTHERN ALASKA. <AGS-P>.
	17	18 06 32.7+	38 259 N	25 190 E	10 G				1.4	6	AEGEAN SEA
f	17	18 13 11.5	5.644 N	125.259 E	32 G	6.2	6.4		1.3	335	MINDANAO, PHILIPPINE ISLANDS. Ms 6.8 (PAS). Felt (IX PF) at Cagayan de Oro. Also felt at Davao. Depth from broadband displacement seismograms
	17	18 26 24.8+	39.721 N	29.252 E	10 G				1.3	6	TURKEY
	17	19 10 57.2	38.390 N	25.111 E	12		3.9		1.2	68	AEGEAN SEA. ML 4.2 (ATH).
	17	19 58 48.0+	20.858 S	173.912 W	33 N	4.9			1.4	21	TONGA ISLANDS
	17	19 59 14.1+	13.857 N	142.937 E	196 •	4.6			0.4	11	SOUTH OF MARIANA ISLANDS
	17	20 12 17.6	29.559 S	177.145 W	33 N	5.7	5.4		1.0	51	KERMADEC ISLANDS
	17	20 13 14.8+	9.373 S	107.653 E	33 N	4.6			0.8	9	SOUTH OF JAVA
	17	20 22 38.9	6.575 S	131.169 E	57 •	5.4	5.3		1.3	95	TANIMBAR ISLANDS REGION
	17	21 34 31.6	42.832 N	1.716 E	10 G				1.1	10	PYRENEES. ML 3.2 (LDG).
	17	21 41 41.4+	20.328 S	177.951 W	561 •	4.6			1.0	22	FIJI ISLANDS REGION
	17	21 44 56.4+	20.952 S	174.439 W	33 N	5.2			1.3	34	TONGA ISLANDS
	17	23 42 52.4	38.465 N	25.815 E	10 G				1.0	7	AEGEAN SEA. ML 3.4 (ATH).
	17	23 49 41.3+	38.323 N	25.117 E	10 G				1.0	6	AEGEAN SEA. ML 3.4 (ATH).
	18	00 07 55.5R	37.895 N	4.234 W	10 G				1.5	5	SPAIN. ML 2.6 (TOL).
	18	00 10 59.3	37.475 N	119.577 W	5 G				0.7	13	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (BRK).
	18	02 11 34.9+	51.184 N	15.761 E	10 G				1.0	12	POLAND. ML 3.9 (GRF), 3.8 (VKA), 3.5 (KBA).
	18	03 30 00.8+	51.508 N	173.847 W	33 N	4.6	4.9		1.0	33	ANDREANOF ISLANDS, ALEUTIAN IS
	18	03 54 20.2	45.467 N	28.858 W	10 G	4.6	4.3		0.9	35	NORTH ATLANTIC RIDGE
	18	04 06 03.9	45.229 N	28.847 W	10 G	5.0	5.0		0.9	138	NORTH ATLANTIC RIDGE
	18	04 10 32.0	16.335 S	167.983 E	201	5.3			1.4	75	VANUATU ISLANDS
	18	04 30 16.4R	59.884 N	153.188 W	110					29	SOUTHERN ALASKA. <AGS-P>.
	18	04 45 14.2+	8.456 S	117.929 E	33 N	4.6			1.4	19	SUMBAWA ISLAND REGION
	18	05 26 49.6	5.708 N	125.634 E	87 •	4.6			1.1	28	MINDANAO, PHILIPPINE ISLANDS
	18	05 32 57.1	42.849 S	73.482 W	33 N	5.2	4.8		1.3	33	NEAR COAST OF SOUTHERN CHILE. Felt (V) at Ancud and Maullin, (IV) at Puerto Montt, (II) at Valdivia and Castro and (I) at Osorno.
	18	07 18 13.5R	39.442 N	28.318 E	10 G				1.5	10	TURKEY
	18	07 18 26.1+	32.248 S	70.918 W	32				1.1	13	CHILE-ARGENTINA BORDER REGION
f	18	08 05 15.4R	51.356 N	176.653 W	27	5.8	6.3			362	ANDREANOF ISLANDS, ALEUTIAN IS. <BOU-P>. ML 6.8 (PMR), Ms 6.4 (BRK), 6.8 (PAS). Felt (IV) on Adak and (III) on Atka. Depth 23.2 km, from broadband displacement seismograms.
	18	10 03 05.4+	14.775 N	92.606 W	113 •	4.3			1.4	24	NEAR COAST OF CHIAPAS, MEXICO. Felt in the Mexico-Guatemala border region.
	18	10 05 34.9R	49.567 N	29.244 E	10 G				0.6	6	TURKEY
	18	10 32 35.6+	51.169 N	176.815 W	33 N	4.5			0.9	16	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	11 25 25.9+	5.114 S	146.023 E	162	4.4			1.0	13	EAST PAPUA NEW GUINEA REGION
	18	12 20 57.3	43.853 N	19.688 E	5 G				1.1	10	YUGOSLAVIA. MD 2.6 (TTG).
	18	14 13 26.3R	33.940 N	116.748 W	17					14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	18	14 46 21.3	51.184 N	176.144 W	33 N	4.8			0.6	23	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	15 18 18.6	44.059 N	4.722 E	10 G				0.8	6	FRANCE. ML 2.6 (LDG).
	18	18 28 48.1R	51.39 N	175.95 W	33 N	4.2			1.6	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	19 05 38.5+	0.207 N	123.888 E	134 ?	4.5			1.2	12	MINAHASSA PENINSULA
	18	20 39 17.7	33.434 N	141.889 E	58 •	4.9			0.4	24	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) on Hachijo-jima.
	18	21 02 43.8	4.941 S	152.747 E	84 •	4.7			1.0	17	NEW BRITAIN REGION
	18	21 44 20.9+	45.629 N	142.812 E	264 ?	4.1			0.9	18	HOKKAIDO, JAPAN REGION
	18	21 47 49.8	51.613 N	176.945 W	33 N	4.5			1.3	9	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	22 18 01.8+	46.682 N	10.189 E	10 G				1.4	7	NORTHERN ITALY
	18	22 56 28.9+	4.380 N	32.639 W	10 G	4.9	3.9		0.9	36	CENTRAL MID-ATLANTIC RIDGE
	18	23 17 58.2	52.317 N	179.615 E	171 D	5.1			1.0	95	RAT ISLANDS, ALEUTIAN ISLANDS
	18	23 28 40.2	49.776 N	1.354 E	10 G				0.7	12	FRANCE. ML 2.8 (LDG).
	18	23 34 15.9	43.840 N	18.038 E	10 G				1.1	8	YUGOSLAVIA. ML 2.4 (TTG).
	18	23 43 04.4+	63.867 N	150.911 W	131 ?				1.5	11	CENTRAL ALASKA. Felt at Talkeetna.
	19	00 09 01.27	39.72 N	22.51 E	10 G				1.4	8	GREECE
	19	01 50 12.8+	24.840 N	122.986 E	33 N	4.8			1.1	12	TAIWAN REGION
	19	02 39 33.4R	61.481 N	150.664 W	72					28	SOUTHERN ALASKA. <AGS-P>.
	19	02 54 10.97	25.84 N	124.55 E	89 •	4.1			1.0	6	NORTHEAST OF TAIWAN. Felt (I JMA) on Ishigaki-shima, Ryukyu Islands.
	19	03 08 53.1	42.237 N	18.820 E	10 G	3.0			1.4	32	YUGOSLAVIA. MD 3.6 (TTG). Felt (V) at Budva and (III) at Titograd.
	19	04 13 34.8+	4.581 S	151.888 E	175	5.0			1.2	19	NEW BRITAIN REGION
	19	04 39 46.0	18.354 N	101.444 W	70	5.2			1.1	114	GUERRERO, MEXICO. Felt at Colima, Zihuatanejo and Mexico City. Also felt in Oaxaca.
o	19	05 41 01.27	54.32 N	166.39 W	33 N	4.4			0.9	5	FOX ISLANDS, ALEUTIAN ISLANDS
	19	06 58 37.8	14.076 S	166.632 E	73 •	5.2			1.4	76	VANUATU ISLANDS
	19	06 59 24.4	37.527 N	121.673 W	10 G				0.4	10	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	19	08 12 40.8R	41.434 N	29.271 E	10 G				0.8	6	TURKEY
	19	08 42 21.5+	20.645 S	178.337 W	555 •	4.3			0.9	22	FIJI ISLANDS REGION
f	19	09 09 09.2	56.331 N	152.914 W	17 G	6.0	6.3		0.9	237	KODIAK ISLAND REGION. ML 5.4 (PMR), Ms 6.4 (BRK), 5.8 (PAS). Multiple event. First event considerably smaller. Felt (IV) at Kodiak. Depth from broadband displacement seismograms, based on larger event.
	19	09 13 35.7R	41.459 N	29.335 E	10 G				0.1	5	TURKEY
	19	11 08 37.3	56.303 N	153.107 W	33 N	4.7			1.0	18	KODIAK ISLAND REGION. ML 4.3 (PMR).
	19	11 30 54.1	28.234 N	139.732 E	489 •	4.7			0.6	58	BONIN ISLANDS REGION
	19	11 40 03.4R	4.37 N	32.52 W	10 G	4.6			0.9	8	CENTRAL MID-ATLANTIC RIDGE
	19	12 55 42.8+	4.277 N	32.599 W	10 G	4.9	4.5		0.9	28	CENTRAL MID-ATLANTIC RIDGE
	19	15 04 35.9R	47.135 N	1.457 E	10 G				0.6	10	FRANCE. ML 2.6 (LDG).
	19	15 14 48.8	36.828 N	21.275 E	46 •	4.2			1.4	95	SOUTHERN GREECE
	19	16 49 13.5+	6.329 S	154.519 E	33 N	4.1			1.0	6	SOLOMON ISLANDS
o	19	17 18 58.2+	36.188 S	100.788 W	10 G	4.9	4.6		1.4	38	SOUTHERN PACIFIC OCEAN
	19	17 36 04.4R	48.859 N	29.424 E	10 G				0.2	5	TURKEY
o	19	18 12 27.8	7.799 N	94.517 E	184 G	5.9			1.1	342	NICOBAR ISLANDS REGION. Depth from broadband

	19	19 10 43.17	38.88	N	21.39	E	33 N								dislocacment seismograms.
	19	19 14 54.47	39.16	N	26.11	E	10 G			0.5	5	SOUTHERN GREECE			
	19	19 23 10.77	47.33	N	3.84	W	10 G			0.4	5	TURKEY			
	19	19 25 58.47	50.25	N	179.68	E	33 N	4.4		0.9	8	FRANCE. ML 2.5 (LDG).			
	19	19 46 20.2%	41.112	N	27.912	E	10 G			0.8	7	RAT ISLANDS, ALEUTIAN ISLANDS			
	19	20 01 10.47	32.84	S	70.85	W	33 N			1.5	9	TURKEY			
a	19	20 01 43.5	30.224	S	178.985	W	33 N	5.7	5.4	1.0	8	CHILE-ARGENTINA BORDER REGION			
	19	20 33 17.1	16.985	S	65.489	W	19 •	5.3	4.8	0.9	191	KERMADEC ISLANDS			
	19	21 10 33.2	43.234	N	20.003	E	10 G			1.2	131	BOLIVIA. Felt (IV) at Cochabamba and (III) at La Paz.			
a	19	21 57 24.3	16.943	S	65.426	W	20	5.4	5.2	1.1	7	BULGARIA			
	19	22 28 41.87	35.07	N	168.90	W	67 •	4.3		1.1	152	BOLIVIA. Felt (IV) at Cochabamba and (III) at La Paz.			
	19	22 28 49.47	36.92	N	21.31	E	33 N			0.9	21	ALASKA PENINSULA. Felt at False Pass and King Cove.			
a	19	23 18 26.8	38.944	S	177.257	W	10 G	5.5	6.3	1.2	6	SOUTHERN GREECE. ML 3.7 (ATH).			
	19	23 24 00.67	4.60	S	102.50	E	137 ?	4.7		1.3	132	KERMADEC ISLANDS. Ms 6.8 (BRK), 6.8 (PAS).			
	20	00 48 20.67	37.15	N	21.39	E	33 N			1.6	13	SOUTHERN SUMATERA			
	20	02 28 13.7&	40.390	N	124.517	W	19			1.7	6	SOUTHERN GREECE. ML 3.7 (ATH).			
	20	02 33 32.5	44.520	N	9.745	E	10 G				6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).			
	20	02 37 17.4	44.606	N	9.592	E	10 G			1.1	31	NORTHERN ITALY. ML 3.5 (LDG), 3.4 (KBA). MD 3.7 (TRI).			
a	20	02 37 52.9	32.213	S	179.077	W	10 G	5.5		1.0	26	NORTHERN ITALY. ML 3.2 (LDG). MD 3.4 (TRI).			
	20	02 48 36.37	44.34	N	7.51	E	10 G			1.2	73	SOUTH OF KERMADEC ISLANDS. Felt (II) on Raoul Island.			
	20	04 36 29.8	56.482	N	152.711	W	33 N	4.7	4.3	0.4	5	NORTHERN ITALY. ML 3.0 (LDG).			
a	20	07 00 05.5	81.756	N	119.801	E	10 G	4.9	4.0	1.4	52	KODIAK ISLAND REGION. ML 4.7 (PMR).			
	20	07 39 32.8&	60.676	N	152.107	W	82			0.8	70	EAST OF SEVERNAYA ZEMLYA			
											42	SOUTHERN ALASKA. <AGS-P>. Felt at Anchorage, Homer and Kenai.			
	20	12 13 49.37	7.89	S	28.39	E	10 G			1.1	5	ZAIRE REPUBLIC. MG 3.4 (BUL).			
	20	12 26 37.5	43.217	N	26.111	E	7			1.0	14	BULGARIA			
	20	12 31 44.1•	21.864	S	170.233	E	99 •	4.6		1.4	18	LOYALTY ISLANDS REGION			
	20	13 54 24.9•	38.752	N	24.639	E	10 G			0.0	5	AEGEAN SEA. ML 3.3 (ATH).			
	20	15 00 44.87	5.42	S	146.68	E	63 •	4.0		1.3	9	EAST PAPUA NEW GUINEA REGION			
	20	16 13 38.8•	40.667	N	15.709	E	10 G			1.0	12	SOUTHERN ITALY			
	20	16 26 52.5•	0.884	S	135.293	E	33 N	4.4		1.2	7	WEST IRIAN REGION			
a	20	17 12 46.9	31.240	N	86.847	E	33 N	5.9	6.1	1.2	232	TIBET. At least 58 houses collapsed and many damaged in the Ombu area.			
a	20	18 41 28.8	58.600	S	25.122	W	33 N	5.8	5.6	1.0	165	SOUTH SANDWICH ISLANDS REGION			
	20	19 27 37.0&	30.760	N	116.290	W	6 G				8	BAJA CALIFORNIA. <PAS-P>. ML 3.2 (PAS).			
	20	19 29 28.7	58.569	S	25.106	W	33 N	4.9		1.0	33	SOUTH SANDWICH ISLANDS REGION			
	20	20 27 36.3•	58.596	S	24.927	W	33 N	4.6		1.1	20	SOUTH SANDWICH ISLANDS REGION			
	20	20 53 46.3	58.632	S	24.888	W	33 N	5.1		1.1	51	SOUTH SANDWICH ISLANDS REGION			
	20	20 55 47.1	44.777	N	110.965	W	5 G			0.8	10	YELLOWSTONE NATIONAL PARK, WYO. ML 3.4 (NEIS).			
	20	21 37 38.0•	58.614	S	25.058	W	33 N	5.1		1.3	29	SOUTH SANDWICH ISLANDS REGION			
a	20	21 48 46.1	58.614	S	25.066	W	33 N	5.3	5.1	1.0	76	SOUTH SANDWICH ISLANDS REGION			
	20	22 09 07.3•	58.559	S	24.994	W	33 N	5.1		1.0	42	SOUTH SANDWICH ISLANDS REGION			
	20	22 13 49.6&	62.248	N	150.234	W	10				33	CENTRAL ALASKA. <AGS-P>. ML 3.8 (PMR). Felt at Talkeetna.			
	20	23 32 43.5	41.229	S	43.661	E	10 G	5.2		1.1	44	PRINCE EDWARD ISLANDS REGION			
	21	00 37 30.87	15.71	N	97.97	W	33 N	4.7		0.7	5	NEAR COAST OF OAXACA, MEXICO			
	21	01 32 28.2	50.926	N	178.788	W	33 N	4.9	4.5	0.9	84	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR).			
	21	01 37 56.8•	26.503	S	114.440	W	10 G	4.8	4.8	1.0	33	EASTER ISLAND REGION			
	21	01 49 56.2	26.677	S	114.448	W	10 G	5.2	5.0	0.9	57	EASTER ISLAND REGION			
	21	01 56 48.37	26.79	S	114.25	W	10 G	4.8		0.6	6	EASTER ISLAND REGION			
	21	01 59 03.6•	26.316	S	114.204	W	10 G	5.1	4.7	1.1	45	EASTER ISLAND REGION			
	21	04 06 24.7%	44.599	N	8.805	E	10 G			1.2	10	NORTHERN ITALY. ML 2.8 (LDG).			
	21	04 58 32.3	38.089	N	1.459	W	10 G			1.3	15	SPAIN. ML 3.6 (MDD). Felt (III) at Mula.			
	21	05 42 14.3%	40.290	N	29.147	E	10 G			0.3	9	TURKEY			
	21	08 27 26.2	40.188	N	22.368	E	10 G			0.2	10	GREECE			
	21	09 13 40.6•	39.910	N	77.520	E	33 N	4.7		0.6	8	SOUTHERN XINJIANG, CHINA			
	21	09 25 10.7	5.388	N	126.493	E	72 •	4.9		1.0	28	MINDANAO, PHILIPPINE ISLANDS			
	21	09 30 08.6	40.894	N	20.151	E	10 G			1.1	10	GREECE-ALBANIA BORDER REGION			
	21	09 41 20.6•	6.757	S	75.009	W	132 •	4.4		0.8	9	NORTHERN PERU			
	21	09 50 15.27	5.56	S	155.08	E	376 •	4.6		0.9	12	SOLOMON ISLANDS			
	21	10 15 59.4•	44.293	N	2.888	E	10 G			0.9	8	FRANCE. ML 2.8 (LDG).			
	21	10 33 12.7	29.141	S	70.767	W	93 •	4.5		1.3	29	CENTRAL CHILE			
	21	10 54 09.8•	6.291	N	124.206	E	537 ?	4.5		1.0	7	MINDANAO, PHILIPPINE ISLANDS			
	21	11 27 29.4%	38.439	N	1.984	W	10 G			1.4	9	SPAIN. MG 3.2 (MDD).			
	21	12 07 30.2	59.947	N	152.851	W	101		4.9	1.2	58	SOUTHERN ALASKA. Felt at Anchorage, Eagle River, Homer and Kenai.			
	21	13 03 47.2•	51.365	N	175.881	W	33 N	4.5		0.4	8	ANDREANOF ISLANDS, ALEUTIAN IS.			
	21	13 24 03.4•	45.654	N	14.277	E	10 G			1.0	5	YUGOSLAVIA. ML 2.6 (TRI), 2.5 (XBA).			
	21	14 52 16.2•	29.280	S	67.191	W	33 N			1.3	7	LA RIOJA PROVINCE, ARGENTINA			
	21	15 38 53.7	51.380	N	174.812	W	33 N	4.7	4.6	0.9	61	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR).			
	21	15 59 38.4•	4.135	N	32.602	W	10 G	4.7		0.7	10	CENTRAL MID-ATLANTIC RIDGE			
	21	17 58 23.1&	59.313	N	153.844	W	121				21	SOUTHERN ALASKA. <AGS-P>.			
	21	18 09 22.9	14.478	N	93.869	W	17	4.8	4.2	1.1	54	NEAR COAST OF CHIAPAS, MEXICO			
	21	18 10 55.1•	40.109	N	14.147	E	413 •	4.3		1.1	37	SOUTHERN ITALY			
	21	19 24 23.9&	62.459	N	151.744	W	102				23	CENTRAL ALASKA. <AGS-P>			
a	21	19 33 14.0	58.637	S	24.959	W	33 N	5.0	4.9	1.0	64	SOUTH SANDWICH ISLANDS REGION			
	21	20 30 53.5	42.793	N	111.153	W	5 G			1.0	9	EASTERN IDAHO. ML 3.5 (NEIS). Felt (IV) at Auburn, Wyoming.			
	21	20 33 40.5	5.585	S	131.113	E	96 •	5.1		0.9	51	BANDA SEA			
	21	21 58 25.9•	66.113	N	150.300	W	10 G			0.8	5	ALASKA. ML 3.1 (PMR).			
	21	22 32 28.3•	20.566	S	178.275	W	497 •	4.4		0.8	18	FIJI ISLANDS REGION			
a	21	22 33 12.7•	20.024	S	66.519	E	10 G	5.1	4.6	1.1	36	MASCARENE ISLANDS REGION			
	21	22 57 28.0	44.336	N	12.000	E	10 G			0.9	43	NORTHERN ITALY. ML 4.1 (KBA), 3.9 (LDG). MD 3.9 (TRI).			
	21	23 57 03.3	14.801	N	93.706	W	29		4.7	0.9	70	NEAR COAST OF CHIAPAS, MEXICO			
	21	23 58 31.27	29.31	S	176.52	W	33 N	4.8		0.9	7	KERMADEC ISLANDS REGION			
	22	00 47 25.57	4.95	S	138.97	E	33 N	3.2		0.7	5	WEST IRIAN			
	22	02 02 47.1	44.950	N	112.784	W	5 G			1.0	7	EASTERN IDAHO. ML 2.7 (NEIS).			
	22	02 26 06.0	44.524	N	10.790	E	10 G			0.7	8	NORTHERN ITALY. ML 2.9 (LDG), 2.3 (KBA). MD 2.9 (TRI).			
	22	03 13 17.1?	56.19	N	164.20	E	33 N	4.5		1.2	9	KOMANDORSKY ISLANDS REGION			
	22	03 48 49.9•	30.555	S	67.268	W	33 N			1.2	14	SAN JUAN PROVINCE, ARGENTINA			
	22	04 00 46.6	43.076	N	13.324	E	24 •			1.1	37	CENTRAL ITALY. ML 3.5 (KBA), 3.5 (LDG).			
	22	04 35 10.37	43.99	N	12.00	E	10 G			0.2	5	CENTRAL ITALY			

e	22	05	29	52	8	51	219	N	175	178	W	33	N	4.9	4.9
	22	05	33	53	19	51	88	N	175	15	W	33	N	4.4	
	22	05	37	07	1*	51	097	N	175	184	W	33	N	4.8	
	22	05	49	18	2*	?	760	N	37	232	W	10	G	4.7	4.7
	22	06	03	37	29	52	88	N	175	13	W	33	N	4.6	
	22	06	57	18	1	31	689	S	70	329	W	114		4.3	
	22	07	36	14	07	51	30	N	175	14	W	33	N	4.2	
	22	08	09	43	8*	30	526	N	21	689	E	10	G	3.6	
	22	09	21	28	4	30	449	N	21	663	E	10	G		
	22	09	35	54	59	30	10	N	27	62	E	10	G		
	22	10	34	41	0	44	383	N	6	743	E	10	G		
	22	12	41	12	07	66	52	N	149	76	W	10	G		
	22	12	48	17	5	69	784	N	19	161	E	10	G		
	22	13	03	20	17	30	24	N	25	00	E	10	G		
	22	13	28	14	9		2	333	S	150	006	E	33	N	5.2
	22	14	07	51	7	43	576	N	13	660	E	13			
	22	14	10	49	0*	24	940	S	67	945	W	212	*		
	22	14	49	19	47	51	46	N	177	26	W	33	N	4.2	
	22	15	35	21	9*	51	431	N	175	283	W	33	N	4.4	
	22	15	43	14	8X	41	926	N	20	322	E	10	G		
	22	16	33	17	2X	40	128	N	29	262	E	10	G		
	22	16	55	04	0*	62	865	N	124	450	W	10	G	4.3	
	22	17	04	48	19	17	91	S	69	69	W	33	N		
	22	17	25	41	37	37	49	S	176	75	E	145	*		
	22	17	51	05	6*	51	590	N	172	193	W	33	N	4.2	
	22	18	01	54	8*	51	286	N	175	633	W	33	N	4.6	4.1
	22	20	34	51	6X	49	698	N	124	688	W	13		4.1	
	22	21	48	44	97	12	23	S	40	49	E	10	G	4.2	
	22	22	37	03	3*	55	142	N	156	870	W	33	N	4.5	4.3
	22	23	12	58	1*	38	432	N	25	054	E	10	G		
	22	23	15	42	8X	40	279	N	20	001	E	10	G		
	22	23	35	21	56	62	258	N	149	344	W	55			
	22	23	57	05	1*	40	737	N	123	349	W	10	G		
	23	00	07	56	47	10	70	S	40	34	E	10	G	4.5	
	23	02	47	41	60	61	740	N	149	765	W	47			
	23	03	41	34	0	36	432	N	121	051	W	5	G		
	23	03	55	28	7X	42	931	N	22	729	E	10	G		
	23	06	02	58	8*	41	350	N	22	217	E	10	G		
	23	08	12	35	6	34	915	N	23	343	E	44		4.7	
	23	08	31	22	9*	11	893	S	113	841	E	10	G	4.4	
	23	08	58	15	5	26	311	N	90	899	E	33	N	5.0	
	23	09	39	56	57	51	46	N	177	19	W	33	N	4.3	
	23	09	45	38	67	19	66	S	175	83	W	274	?	4.2	
	23	10	25	55	3	14	372	S	73	529	W	66	*	4.7	
	23	11	17	58	57	59	87	N	6	52	E	10	G		
	23	11	24	17	9	4	883	N	123	478	E	521		4.6	
	23	11	27	14	6*	27	250	S	66	780	W	33	N		
	23	11	58	23	9*	7	527	N	37	287	W	10	G	4.6	4.4
	23	12	43	03	97	51	71	N	175	12	W	33	N	4.3	
	23	15	08	10	1*	2	099	S	139	001	E	33	N	5.1	
	23	15	30	23	0*	27	586	S	124	615	E	10	G		
	23	16	34	09	5X	58	814	N	153	022	W	72			
	23	17	19	29	6	31	230	N	87	014	E	33	N	4.8	4.4
	23	17	24	50	2*	24	134	S	67	964	W	212	*		
	23	17	45	39	3X	60	265	N	5	327	E	10	G		
	23	18	10	08	8	44	517	N	2	637	E	24			
	23	18	29	22	8*	7	492	S	155	670	E	33	N		
	23	20	26	44	9*	24	004	S	66	880	W	231	*		
e	23	20	35	21	1	6	021	S	148	948	E	84		5.8	
	23	20	55	58	6	36	882	N	141	751	E	46		4.8	4.4
	23	20	59	15	67	38	87	N	26	70	E	10	G		
	23	21	43	32	1*	46	041	S	34	670	E	10	G	4.8	4.2
	23	23	46	07	9X	32	130	N	115	160	W	6	G	4.4	
	23	23	54	31	4*	14	539	N	93	773	W	27		4.5	
	24	01	53	35	2*	35	244	S	106	120	W	10	G	4.9	4.4
f	24	02	53	11	2	34	794	N	140	595	E	63		6.1	
e	24	03	11	38	9		4	448	S	143	943	E	102	G	6.6 7.1
	24	03	42	01	2*	4	844	S	143	968	E	33	N		
	24	04	12	04	9*	23	129	S	66	015	W	33	N	4.2	
	24	04	46	49	97	29	91	N	131	45	E	33	N	4.4	
	24	05	44	32	0X	32	120	N	115	170	W	6	G		
	24	06	40	20	4*	10	142	N	72	712	W	156	?	4.0	
e	24	06	56	54	5	0	085	S	17	824	W	22	G	5.7	4.0
	24	07	38	33	6*	5	730	S	147	880	E	148	*	3.6	
	24	08	33	06	87	30	72	S	178	66	W	33	N	4.7	
	24	08	34	06	97	3	88	S	130	62	E	33	N	4.1	

1.0	186	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR). Felt as Agoo.
1.0	10	ANDREANOF ISLANDS, ALEUTIAN IS
1.2	15	ANDREANOF ISLANDS, ALEUTIAN IS
1.3	28	CENTRAL MID-ATLANTIC RIDGE
0.6	8	ANDREANOF ISLANDS, ALEUTIAN IS
0.8	18	CHILE-ARGENTINA BORDER REGION
1.2	10	ANDREANOF ISLANDS, ALEUTIAN IS
1.6	17	GREECE. ML 3.5 (ATH).
0.8	10	GREECE. ML 3.8 (ATH).
0.6	4	TURKEY
0.6	8	FRANCE. ML 2.8 (LDG).
0.1	4	ALASKA. ML 2.7 (PMR).
0.2	6	YUGOSLAVIA. ML 2.3 (TTG).
1.8	5	AEGEAN SEA. ML 3.1 (ATH).
1.3	29	WEST IRIAN
1.2	54	CENTRAL ITALY. ML 4.2 (VBA). MD 4.1 (TRI).
0.2	6	CHILE-ARGENTINA BORDER REGION
1.3	10	ANDREANOF ISLANDS, ALEUTIAN IS
1.1	26	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.9 (PMR).
1.0	12	ALBANIA. ML 2.6 (TTG).
1.2	5	TURKEY
1.3	11	NORTHWEST TERRITORIES, CANADA
1.4	5	PERU-BOLIVIA BORDER REGION
1.0	8	NORTH ISLAND, NEW ZEALAND
0.6	7	ANDREANOF ISLANDS, ALEUTIAN IS
1.4	17	ANDREANOF ISLANDS, ALEUTIAN IS
	27	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK).
1.6	6	MOZAMBIQUE
1.3	28	SOUTH OF ALASKA
0.9	7	AEGEAN SEA. ML 3.2 (ATH).
0.8	5	GREECE-ALBANIA BORDER REGION
	31	CENTRAL ALASKA. <AGS-P>.
1.5	8	NORTHERN CALIFORNIA. ML 2.9 (BRK).
0.9	5	TANZANIA
	39	SOUTHERN ALASKA. <AGS-P>
0.9	11	CENTRAL CALIFORNIA. ML 2.5 (BRK).
0.7	5	BULGARIA
0.6	5	YUGOSLAVIA. MG 2.4 (SKO).
1.0	119	CRETE
1.5	12	SOUTH OF JAVA
0.8	72	BURMA
0.8	10	ANDREANOF ISLANDS, ALEUTIAN IS
0.9	8	TONGA ISLANDS
1.2	48	PERU
0.4	5	SOUTHERN NORWAY. MD 1.9 (BER).
1.0	35	CELEBES SEA
1.0	13	CATAMARCA PROVINCE, ARGENTINA
1.2	14	CENTRAL MID-ATLANTIC RIDGE
0.8	6	ANDREANOF ISLANDS, ALEUTIAN IS.
0.4	7	NEAR N. COAST OF WEST IRIAN
0.8	7	WESTERN AUSTRALIA
	32	KODIAK ISLAND REGION. <AGS-P>
1.1	26	TIBET
0.4	7	CHILE-ARGENTINA BORDER REGION
0.5	5	SOUTHERN NORWAY. MD 1.4 (BER).
0.9	23	FRANCE. ML 3.4 (LDG).
0.8	5	SOLOMON ISLANDS
0.1	6	SALTA PROVINCE, ARGENTINA
1.0	78	NEW BRITAIN REGION
1.0	44	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Fukushima, Mito and Onahama.
0.4	4	AEGEAN SEA
1.3	13	PRINCE EDWARD ISLANDS REGION
	22	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.9 (PAS). Felt (IV) at San Luis, Arizona and (II) at Bard, California. Also felt in the Yuma, Arizona area.
1.2	35	NEAR COAST OF CHIAPAS, MEXICO
1.1	39	EASTER ISLAND CORDILLERA
1.0	483	NEAR EAST COAST OF HONSHU, JAPAN. mb 6.3 (PAS), 6.2 (BRK). Felt (IV JMA) at Ajiro, Choshi, Tateyama, Tokyo, Yokohama and on O-shima and Hachijo-jima; (III JMA) at Miyako, Ofunato and in the Kofu-Onahama area. Felt throughout eastern Honshu and in the Urakawa-Nemuro area, Hokkaido.
1.0	422	PAPUA NEW GUINEA. mb 6.9 (PAS). Damage (VII) and landslides occurred throughout the Papua New Guinea highlands. Submarine cables from Madang to Guam and Madang to Cairns were damaged. Preliminary estimate of damage approximately 500,000 U.S. dollars. Felt on New Guinea from Tobubil to Port Moresby and from Vanimo to Daru. Felt (III) at Arawa and Panguna, Bougainville. Depth from broadband displacement seismograms.
1.4	5	PAPUA NEW GUINEA
1.4	5	NORTHERN CHILE
1.2	9	RYUKYU ISLANDS REGION
	9	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.8 (PAS).
1.0	11	VENEZUELA
0.9	237	NORTH OF ASCENSION ISLAND. Depth from broadband displacement seismograms.
0.2	6	EAST PAPUA NEW GUINEA REGION
0.9	5	KERMADEC ISLANDS
1.3	10	CERAM

	24	00 43 10.77	29.94	S	71.92	W	33 N			0.5	7	NEAR COAST OF CENTRAL CHILE
	24	00 35 23.48	58.929	N	155.219	W	140				42	ALASKA PENINSULA. <AGS-P>. Felt at King Salmon Air Force Base.
	24	00 49 48.1%	39.868	N	28.911	E	10 G			0.6	9	TURKEY
	24	11 27 12.1•	65.791	N	152.367	W	33 N			0.4	5	ALASKA. ML 2.7 (PWR).
	24	12 25 28.3	30.725	S	71.693	W	91		5.4 4.8	1.2	119	NEAR COAST OF CENTRAL CHILE. Felt (V) at Illapel.
	24	12 30 56.3•	31.444	S	68.977	W	113 ?			0.7	8	SAN JUAN PROVINCE, ARGENTINA
	24	12 44 55.7%	60.258	N	5.291	E	10 G			0.2	5	SOUTHERN NORWAY. MD 1.4 (BER)
	24	12 54 48.27	30.69	S	72.73	W	33 N		4.5	0.5	5	OFF COAST OF CENTRAL CHILE
	24	13 04 33.97	15.13	S	173.24	W	33 N		4.8	1.5	11	TONGA ISLANDS
	24	13 09 59.48	32.120	N	115.170	W	6 G				15	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS)
	24	13 13 01.1&	32.888	N	115.110	W	6 G				28	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.5 (PAS)
	24	13 38 25.67	65.90	N	156.56	W	33 N			0.4	4	ALASKA. ML 3.8 (PWR). Felt at Kobuk.
	24	13 57 04.4	63.092	N	149.880	W	130 ?			0.6	9	CENTRAL ALASKA
	24	14 57 20.3	40.598	N	20.413	E	10 G			1.0	12	GREECE-ALBANIA BORDER REGION. MG 3.4 (KBM)
	24	15 57 58.0•	44.559	N	2.461	E	10 G			0.5	6	FRANCE. ML 2.5 (LDG)
	24	17 24 28.2•	28.241	S	178.108	W	12 •		5.1	1.1	17	KERMADEC ISLANDS REGION. Felt (II) on Raoul Island.
	24	17 35 13.5	28.230	S	178.225	W	10 G		5.0 5.2	1.1	29	KERMADEC ISLANDS REGION
o	24	17 39 18.9	28.278	S	178.127	W	12		5.5 5.7	1.2	70	KERMADEC ISLANDS REGION. Ms 5.7 (BRK)
	24	18 45 31.3	34.807	N	140.640	E	65		5.4	0.8	207	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) on Miyake-jima, (II JMA) at Ajiro, Tateyama and on O-shima, (I JMA) at Choshi, Tokyo and in the Kofu-Utsunomiya area.
o	24	19 31 06.5	28.243	S	178.246	W	11		5.6 5.8	1.2	103	KERMADEC ISLANDS REGION. Ms 5.9 (BRK). Felt (II) on Raoul Island.
	24	20 13 40.37	39.68	N	23.38	E	10 G			1.5	5	AEGEAN SEA
	24	20 46 02.7	66.133	N	149.639	W	10 G		4.9	1.3	65	ALASKA. ML 5.2 (PWR). Felt (IV) at Stevens Village and (III) at Fairbanks. Also felt at Alyeska Pump Station Six.
	24	21 48 32.17	28.14	S	178.03	W	10 G		4.5	1.6	7	KERMADEC ISLANDS REGION
	24	22 04 30.7•	38.282	N	21.785	E	10 G		3.9	1.4	19	GREECE. ML 3.8 (ATH).
	24	23 07 29.4	39.051	N	28.670	E	10 G			1.1	10	TURKEY
	24	23 34 59.8	0.208	S	17.859	W	10 G		4.9 4.3	0.8	64	NORTH OF ASCENSION ISLAND
o	24	23 53 32.5•	36.075	S	100.473	W	10 G		4.8 5.0	1.4	39	SOUTHERN PACIFIC OCEAN
	25	00 14 43.3•	18.084	S	179.688	W	644 ?		4.6	0.8	29	FIJI ISLANDS REGION
	25	00 28 22.0	31.146	N	86.778	E	33 N		4.7 4.5	1.0	53	TIBET
	25	01 08 51.5•	28.761	S	67.794	W	131 ?			1.3	11	LA RIOJA PROVINCE, ARGENTINA
	25	01 23 50.57	44.03	N	7.87	E	10 G			0.5	5	NORTHERN ITALY. ML 2.8 (LDG)
	25	04 04 12.7&	59.879	N	152.446	W	82				34	SOUTHERN ALASKA. <AGS-P>
	25	04 25 32.6	38.040	N	4.354	W	10 G			0.6	11	SPAIN. MG 3.4 (NDD). Felt (V) at Montero, (IV) at Villa del Rio, (III) at Lopera and Pedro Abad and (II) at Andujar and Conete de los Torres.
	25	05 37 24.07	24.64	S	67.39	W	33 N			1.4	5	CHILE-ARGENTINA BORDER REGION
	25	06 12 05.9•	33.396	S	72.059	W	44 •		4.6 4.8	1.1	36	OFF COAST OF CENTRAL CHILE. Felt (III) at Valparaiso.
	25	06 18 01.6•	6.784	N	72.977	W	167 •		4.4	1.0	14	NORTHERN COLOMBIA
	25	06 46 09.4	13.059	N	58.800	W	30 •		4.7 4.2	1.1	54	NORTH ATLANTIC OCEAN
	25	07 33 45.2•	40.255	N	124.075	W	5 G			0.2	6	NEAR COAST OF NORTHERN CALIF. ML 2.9 (BRK)
	25	08 12 54.37	44.76	N	17.53	E	10 G			1.2	6	YUGOSLAVIA. ML 3.5 (TRI), 2.9 (KBA).
	25	08 29 15.8	2.153	S	139.259	E	33 N		4.9	1.0	31	NEAR N. COAST OF WEST IRIAN
	25	10 59 49.27	5.28	S	103.30	E	33 N		4.4	1.4	8	SOUTHERN SUMATERA
	25	11 33 03.7	13.766	N	144.640	E	124		4.4	0.8	31	MARIANA ISLANDS. Felt (IV) on Guam.
	25	11 45 52.2•	28.462	S	178.466	W	10 G		5.1 4.8	1.4	32	KERMADEC ISLANDS REGION. Felt (II) on Raoul Island.
	25	11 48 23.1	39.459	N	28.344	E	10 G		3.9	0.8	34	TURKEY. ML 4.2 (ATH).
	25	12 22 50.0%	39.453	N	28.268	E	10 G			0.9	6	TURKEY
	25	12 26 42.2%	42.530	N	25.399	E	10 G			1.6	5	BULGARIA
	25	16 41 42.5	50.617	N	19.005	E	10 G		4.2	1.3	10	POLAND. ML 4.1 (GRF), 3.8 (KRA), 3.6 (KBA).
	25	16 50 11.4•	28.305	S	178.143	W	10 G		4.6	0.9	8	KERMADEC ISLANDS REGION
	25	17 34 30.7%	46.714	N	0.153	W	10 G			1.1	13	FRANCE. ML 2.8 (LDG).
	25	17 35 07.0•	1.697	S	139.091	E	33 N		4.0	0.7	10	NEAR N. COAST OF WEST IRIAN
	25	18 27 50.2•	31.192	N	131.374	E	68 •		4.1	1.0	9	KYUSHU, JAPAN
	25	20 27 45.1&	37.265	N	116.499	W	0		5.5 4.2		265	SOUTHERN NEVADA. <DOE>. ML 5.3 (BRK). 37° 15' 52.51" N., 116° 29' 57.51" W., Surface Elev. 1876 m., Dept of Burial 500 m., "DARWIN", Nevada Test Site (Dept. of Energy).
	25	20 32 15.2•	6.878	S	150.155	E	33 N		4.5	1.4	13	NEW BRITAIN REGION
	25	20 53 01.9%	40.327	N	27.076	E	10 G			0.6	8	TURKEY
	25	22 04 34.4&	31.210	N	115.530	W	6 G				9	BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	25	22 45 56.47	50.57	N	19.25	E	10 G			1.5	4	POLAND. ML 2.7 (KRA).
	25	23 37 36.7•	17.876	S	178.697	W	600 •		4.5	0.9	30	FIJI ISLANDS REGION
	26	02 41 31.4	71.375	N	4.330	W	10 G		4.7 4.2	1.0	69	JAN MAYEN ISLAND REGION
	26	02 55 00.5•	71.266	N	4.214	W	10 G		4.5	0.6	32	JAN MAYEN ISLAND REGION
	26	03 05 04.87	70.43	N	3.19	W	10 G		4.1	1.1	13	JAN MAYEN ISLAND REGION
	26	03 29 15.7	43.020	N	18.735	E	10 G			0.5	7	YUGOSLAVIA. ML 2.5 (TTG).
	26	04 10 11.5•	37.098	N	141.488	E	54 •		4.1	1.0	10	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Onahama and (I JMA) at Fukushima, Mito and Utsunomiya.
	26	04 16 20.2?	15.22	N	98.08	W	33 N		3.9	0.6	6	OFF COAST OF GUERRERO, MEXICO
	26	04 56 53.4•	26.967	S	71.995	W	66 ?			1.2	11	OFF COAST OF NORTHERN CHILE
	26	05 39 47.8&	33.870	N	118.450	W	7				15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (IV) at Compton, Manhattan Beach, Palos Verdes Estates, Santa Monica, Torrance and Venice. Felt (III) at Redondo Beach. Felt from West Los Angeles to Long Beach.
	26	07 48 34.2•	1.899	S	139.140	E	33 N		4.9	1.4	14	NEAR N. COAST OF WEST IRIAN
	26	08 56 52.3	10.134	S	161.120	E	104		5.2	0.8	81	SOLOMON ISLANDS
	26	09 37 34.6%	39.853	N	28.872	E	10 G			0.7	5	TURKEY
	26	09 53 29.5•	5.997	S	146.884	E	120 •		4.0	0.7	7	EAST PAPUA NEW GUINEA REGION
	26	10 26 39.4	28.239	S	178.071	W	10 G		4.5	0.7	19	KERMADEC ISLANDS REGION
	26	10 30 39.8•	5.378	S	154.365	E	488		4.8	1.1	20	SOLOMON ISLANDS
	26	11 06 41.1•	4.634	S	144.103	E	129 •		4.0	1.2	12	NEAR N COAST OF PAPUA NEW GUINEA
	26	11 54 26.8	16.988	S	173.137	W	33 N		5.1 4.6	0.9	101	TONGA ISLANDS
	26	13 06 31.0•	27.958	N	140.464	E	33 N		4.8 4.4	1.5	21	BONIN ISLANDS REGION
	26	13 55 43.6&	59.736	N	152.182	W	23				38	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR). Felt at Anchor Point and Homer.

26	10	44	59	6•	28	301	S	178	147	W	10 G 4 6
26	10	46	16	69	49	76	N	2	70	W	10 G
26	10	57	48	57	39	01	N	25	49	E	10 G
26	10	29	48	9•	28	495	S	178	359	W	10 G 4 9 4 5
26	10	34	19	80	42	228	N	150	180	W	12
26	11	39	55	9%	39	884	N	29	298	E	10 G
26	11	44	45	9%	39	446	N	29	348	E	10 G
26	10	28	04	6•	31	127	N	100	997	E	33 N 4 6
26	10	55	10	6	40	381	N	51	684	E	33 N 4 4
26	10	44	28	3	8	930	N	121	955	E	33 N 4 6
26	10	58	49	8	28	147	S	178	884	W	14 5 2 5 0
26	20	00	47	4	50	260	N	19	170	E	10 G
26	20	44	24	9	41	180	N	19	550	E	10 G 4 7
26	20	59	58	5	46	314	N	12	470	E	10 G
26	21	00	04	2	41	098	N	19	500	E	10 G
26	21	31	00	1•	28	072	S	177	887	W	10 G 4 4
26	23	14	32	9	6	800	N	73	099	W	100 4 8
27	00	00	55	17	5	45	S	11	38	W	10 G 4 4
27	01	22	52	8•	19	382	S	126	193	W	10 G 4 6 4 2
27	01	44	29	3	31	950	S	69	221	W	75 • 3 8
27	02	10	52	07	66	23	N	150	85	W	10 G
27	03	09	59	8	7	947	S	122	791	E	229 5 4
27	03	37	20	57	48	30	N	27	56	E	10 G
27	03	49	46	17	59	41	N	6	67	E	10 G
27	04	04	43	48	37	745	N	121	982	W	4
27	04	09	30	5	44	648	N	111	876	W	5 G
27	05	17	39	07	16	93	N	98	97	W	33 N 3 7
27	05	54	55	6	37	888	N	27	371	E	10 G
27	07	22	33	00	59	016	N	152	505	W	71 4 0
27	09	41	47	9•	5	867	S	125	316	E	550 • 4 9
27	09	55	26	47	51	38	N	29	38	E	10 G
27	10	30	59	17	12	75	S	113	45	E	33 N 3 8
27	10	53	56	9%	42	519	N	10	523	E	10 G
27	11	10	51	7	39	053	N	140	869	E	28 5 2
27	11	33	04	5•	35	075	N	24	178	E	73 • 4 0
27	12	14	03	77	17	75	S	174	54	W	33 N 4 9
27	12	14	52	07	4	46	S	143	97	E	146 • 4 0
27	12	32	34	5%	60	717	N	5	547	E	10 G
27	14	09	33	18	59	915	N	153	409	W	122
27	15	57	48	0•	28	496	S	177	989	W	10 G 4 4
27	16	48	57	4•	30	981	S	177	505	W	26 • 5 0 5 4
27	17	14	12	1•	22	648	S	66	282	W	269 4 4
27	17	37	33	8•	28	264	S	177	847	W	33 N 4 6 4 9
27	17	41	08	1•	14	848	N	124	165	E	33 N 4 3
27	18	18	18	3	0	240	S	121	984	E	283 • 4 7
27	18	33	37	1	40	889	N	28	285	E	10 4 1
27	19	44	25	6	15	060	N	96	388	E	10 G 4 3
27	20	43	21	2•	18	801	S	172	941	W	33 N 4 6
27	21	07	56	8	0	661	N	77	384	W	33 N 4 3
27	21	10	44	7%	40	867	N	28	290	E	10 G
27	21	48	55	2	16	188	S	73	536	W	80 D 5 0
27	22	12	50	0%	39	433	N	28	309	E	10 G
27	22	24	13	0•	6	953	S	128	535	E	231 ? 4 0
27	23	08	42	4	34	729	N	140	664	E	62 • 4 7
28	00	04	19	8•	28	139	S	177	991	W	10 G 4 4
28	00	14	06	07	14	90	N	96	06	E	33 N
28	00	29	10	9•	40	931	N	28	376	E	10 G
28	00	34	49	8	40	857	N	28	295	E	10 G
28	01	18	26	8•	25	951	S	179	499	E	580 ? 4 9
28	01	27	07	8•	61	586	N	124	916	W	10 G
28	01	53	43	9%	16	746	N	120	380	E	33 N
28	02	06	29	8%	39	533	N	119	770	W	13
28	02	55	08	9	44	291	N	6	808	E	10 G
28	03	04	07	3•	43	609	N	7	594	E	10 G
28	04	32	09	47	26	23	S	65	71	W	112 •
f 28	05	03	47	4	20	037	S	176	056	W	211 G 6 1
28	05	57	44	7•	33	546	S	65	221	W	11
28	07	23	06	27	12	77	N	121	58	E	193 ?
28	07	28	19	2%	39	272	N	27	682	E	10 G
28	07	53	53	8%	59	850	N	153	110	W	103
28	07	57	28	2•	58	843	S	25	396	W	33 N 4 9
28	09	11	12	5%	40	877	N	28	285	E	10 G
28	09	34	05	3%	40	771	N	23	359	E	10 G
28	09	43	10	07	3	59	S	132	89	E	33 N 4 0
28	10	21	26	9?	7	40	S	127	99	E	146 ? 4 4
28	10	23	34	0	3	687	N	127	956	E	141 • 5 0
28	10	29	25	5%	40	870	N	28	289	E	10 G
28	10	55	36	6•	61	823	N	124	866	W	10 G
28	11	15	48	0%	42	727	N	24	049	E	5 G
28	12	21	51	8%	38	583	N	4	130	W	0 G
28	12	58	51	37	4	94	S	144	83	E	118 ? 4 4
28	13	59	58	1•	6	781	S	128	827	E	13 • 4 5
28	14	14	22	67	31	81	S	72	04	W	33 N

1 4	7	KERMADEC ISLANDS REGION
0 7	10	FRANCE. ML 2.0 (LDG).
0 6	7	AEGEAN SEA
1 4	17	KERMADEC ISLANDS REGION
	34	CENTRAL ALASKA. <AGS-P>. ML 3.3 (PWR). Felt at Talkeetna.
0 7	5	TURKEY
0 6	9	TURKEY
0 3	5	SICHUAN PROVINCE, CHINA
0 9	29	CASPIAN SEA
1 0	20	MINDANAO, PHILIPPINE ISLANDS
1 0	57	KERMADEC ISLANDS REGION. Felt (II) on Raoul Island.
1 5	11	POLAND. ML 4.1 (GRF), 3.7 (KRA), 3.5 (KBA).
1 3	67	ALBANIA. ML 4.4 (ATH), MD 4.2 (TTG).
1 2	37	NORTHERN ITALY. ML 3.7 (FUP), 3.6 (GRY), 3.2 (TRI), 3.2 (LDG).
1 2	11	ALBANIA. ML 3.8 (TTG).
0 5	6	KERMADEC ISLANDS REGION
1 2	34	NORTHERN COLOMBIA
0 5	7	ASCENSION ISLAND REGION
1 2	16	SOUTH PACIFIC OCEAN
1 0	18	SAN JUAN PROVINCE, ARGENTINA
1 5	5	ALASKA. ML 3.3 (PWR).
1 1	164	FLORES SEA
0 8	4	TURKEY
0 7	6	SOUTHERN NORWAY. MD 2.5 (BER).
	11	CENTRAL CALIFORNIA. <BRK>. ML 2.4 (BRK). Felt at Danville and San Ramon.
0 6	9	HEBGEN LAKE REGION. ML 2.8 (NEIS).
1 0	12	NEAR COAST OF GUERRERO, MEXICO
1 2	15	TURKEY. ML 4.2 (ATH).
	47	SOUTHERN ALASKA. <AGS-P>
0 6	13	BANDA SEA
1 4	5	POLAND. ML 3.8 (KRA).
0 7	5	NORTHWEST OF AUSTRALIA
1 7	5	YUGOSLAVIA. ML 2.2 (TTG).
1 0	123	HONSHU, JAPAN. Felt (II JMA) at Miyako, Ofunato and Sendai and (I JMA) at Fukuoka, Ishinomaki, Akita and Morioka.
0 8	15	CRETE
1 0	10	TONGA ISLANDS
1 2	7	PAPUA NEW GUINEA
0 7	5	SOUTHERN NORWAY. MD 1.9 (BER).
	32	SOUTHERN ALASKA. <AGS-P>
0 9	7	KERMADEC ISLANDS REGION
1 3	39	KERMADEC ISLANDS. Ms 5.4 (BRK).
1 1	14	JUJUY PROVINCE, ARGENTINA
1 0	13	KERMADEC ISLANDS REGION
1 2	11	LUZON, PHILIPPINE ISLANDS
1 1	33	MINAHASSA PENINSULA
1 0	49	TURKEY. ML 4.7 (ATH).
1 3	12	SOUTH BURMA
1 1	11	TONGA ISLANDS REGION
1 1	12	COLOMBIA-ECUADOR BORDER REGION. Felt (II) at Quito, Ecuador. Also felt at Pasto, Colombia.
0 6	6	TURKEY
1 1	60	NEAR COAST OF PERU. Felt (II) at Arequipa.
0 6	7	TURKEY
1 1	11	BANDA SEA
0 6	21	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama.
1 0	7	KERMADEC ISLANDS REGION
0 7	5	ANDAMAN ISLANDS REGION
0 8	5	TURKEY
0 8	11	TURKEY
1 0	30	SOUTH OF FIJI ISLANDS
1 2	5	NORTHWEST TERRITORIES, CANADA
1 4	5	LUZON, PHILIPPINE ISLANDS
	21	NEVADA. <BRK>. ML 3.7 (BRK), MD 3.9 (REN). Felt (V) at Reno and Sparks. Felt (IV) at Fernley. Also felt at Sun Valley.
0 6	7	FRANCE. ML 2.5 (LDG).
0 2	5	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG).
1 1	7	TUCUMAN PROVINCE, ARGENTINA
1 0	349	FIJI ISLANDS REGION. mb 6.4 (BRK), 6.0 (PAS). Depth from broadband displacement seismograms.
0 9	10	SAN LUIS PROVINCE, ARGENTINA
0 7	6	MINDORO, PHILIPPINE ISLANDS
0 9	5	TURKEY
	33	SOUTHERN ALASKA. <AGS-P>.
1 1	26	SOUTH SANDWICH ISLANDS REGION
0 6	6	TURKEY
0 3	6	GREECE
0 7	5	WEST IRIAN REGION
1 5	10	BANDA SEA
1 0	43	TALAUD ISLANDS
0 6	7	TURKEY
0 1	5	NORTHWEST TERRITORIES, CANADA
1 7	5	BULGARIA
0 8	5	SPAIN. Probable explosion.
1 4	7	NEAR N COAST OF PAPUA NEW GUINEA
1 2	11	BANDA SEA
0 5	8	OFF COAST OF CENTRAL CHILE

	28	14 51 00	47 32.06	S	70 01	W	33 N				0.6	9	CHILE-ARGENTINA BORDER REGION
	28	15 19 38	38 40.360	N	27 545	E	10 G				0.1	8	TURKEY
	28	16 01 15	6• 95.283	N	100 285	W	33 N	4.3			1.7	14	ALASKA PENINSULA. ML 4.3 (PWR). Felt at Sand Point.
	28	16 59 21	97 7.22	S	130.32	E	33 N	4.4			0.6	4	TANIMBAR ISLANDS REGION
	28	17 03 45	97 0.96	S	34.03	E	10 G	4.2			1.3	5	LAKE VICTORIA REGION
	28	18 19 05	9• 7.416	S	27.734	E	10 G	4.9			1.5	8	ZAIRE REPUBLIC
	28	19 28 35	9% 40.044	N	29.431	E	10 G				0.1	5	TURKEY
	28	19 59 11	1• 61.043	N	124.535	W	10 G				1.1	6	NORTHWEST TERRITORIES, CANADA
	28	21 45 14	87 46.28	N	7.38	E	10 G				1.0	5	SWITZERLAND
	28	23 31 36.6		27.171	S	71.499	W	192 ?			0.6	14	NEAR COAST OF NORTHERN CHILE
	29	00 45 12	0	36.010	N	30.433	E	50		4.3	0.9	29	TURKEY
	29	00 48 27	3•	11.913	N	141.728	E	33 N	4.7		1.1	10	WEST CAROLINE ISLANDS
	29	01 06 36	9%	40.124	N	3.046	E	10 G			0.4	7	FRANCE. ML 2.1 (LDG)
	29	01 29 13	2•	35.939	N	30.240	E	33 N			1.2	11	EASTERN MEDITERRANEAN SEA
	29	01 53 30	1	40.636	N	29.900	E	10 G			1.0	15	TURKEY
	29	02 25 41	9	54.138	N	164.155	W	33 N	4.6		1.1	44	UNIMAK ISLAND REGION
	29	02 29 13	37	30.33	S	70.39	W	129 ?			0.4	7	CHILE-ARGENTINA BORDER REGION
	29	02 38 17	57	17.58	S	70.61	W	33 N	4.7		1.3	6	OFF COAST OF PERU
o	29	04 30 03	6	52.330	N	174.850	W	33 N	4.9	5.2	1.1	109	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PWR). Ms 5.3 (BRK), 5.1 (PAS). Felt on Adak and Atka.
	29	04 32 10	8•	52.255	N	174.838	W	33 N	4.7		1.2	16	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PWR). Felt on Adak and Atka.
	29	05 04 11	1%	46.498	N	9.569	E	10 G			1.3	7	SWITZERLAND
	29	06 23 21	2•	14.879	N	93.474	W	54 •	4.5		1.2	36	NEAR COAST OF CHIAPAS, MEXICO
	29	07 52 24	87	11.33	S	40.47	E	10 G	4.5		1.0	6	MOZAMBIQUE
	29	08 08 16	37	39.13	N	27.56	E	10 G			0.3	4	TURKEY
	29	08 36 00	7&	60.102	N	152.052	W	64				34	SOUTHERN ALASKA. <AGS-P>
	29	08 42 11	97	59.63	N	6.68	E	10 G			0.8	5	SOUTHERN NORWAY. MD 1.7 (BER)
	29	09 15 27	4•	28.195	S	177.982	W	10 G	4.6		0.6	9	KERMADEC ISLANDS REGION
	29	09 35 09	0	9.951	N	126.152	E	56 ?	4.6		1.2	19	MINDANAO, PHILIPPINE ISLANDS
	29	09 38 52	5	44.251	N	129.128	W	10 G	4.0		1.3	34	OFF COAST OF OREGON
o	29	09 55 39	2	15.168	N	96.314	E	17 D	5.0	5.1	1.0	116	SOUTH BURMA
	29	10 33 03	2	25.329	N	142.705	E	33 N	4.9	5.2	0.7	45	VOLCANO ISLANDS REGION
	29	10 34 27	37	42.36	N	19.92	E	10 G			0.6	4	YUGOSLAVIA. MD 2.6 (TTG)
	29	10 52 11	8&	32.170	N	115.120	W	6 G				7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS)
	29	11 16 08	9•	31.780	S	67.897	W	10 G			1.5	7	SAN JUAN PROVINCE, ARGENTINA
	29	11 22 35	6•	31.255	N	86.750	E	33 N	4.5		1.4	14	TIBET
	29	11 25 22	67	32.24	S	71.70	W	33 N			1.1	6	NEAR COAST OF CENTRAL CHILE
	29	11 47 40	27	39.13	N	27.56	E	10 G			0.4	4	TURKEY
o	29	11 57 42	7	28.024	S	177.957	W	10 G	5.4	6.1	1.2	130	KERMADEC ISLANDS REGION. Ms 6.2 (PAS), 6.1 (BRK). Felt (IV) on Raoul Island.
	29	12 31 16	1	15.188	N	96.201	E	15 D	5.1	5.6	0.9	112	SOUTH BURMA
	29	12 36 48	7•	28.283	S	177.978	W	10 G	4.9		1.0	10	KERMADEC ISLANDS REGION
	29	12 58 28	0•	28.387	S	177.993	W	10 G	5.0		1.3	22	KERMADEC ISLANDS REGION
	29	13 23 47	27	41.59	N	23.76	E	10 G			0.5	5	GREECE-BULGARIA BORDER REGION
	29	13 46 39	9•	28.027	S	177.956	W	10 G	5.2		1.1	32	KERMADEC ISLANDS REGION
	29	13 51 18	77	18.23	N	103.50	W	33 N	4.6		1.3	6	NEAR COAST OF MICHOACAN, MEXICO
	29	13 56 36	6	41.333	N	23.586	E	10 G			1.0	9	GREECE-BULGARIA BORDER REGION
o	29	14 09 04	7	28.064	S	178.107	W	21 D	5.4	5.2	1.1	81	KERMADEC ISLANDS REGION
	29	14 25 33	6	28.236	S	178.059	W	10 G	4.6	4.9	1.0	15	KERMADEC ISLANDS REGION
	29	15 00 10	1&	31.920	N	116.320	W	6 G				13	BAJA CALIFORNIA. <PAS-P>. ML 3.4 (PAS)
o	29	15 00 13	9	28.002	S	177.873	W	10 G	5.3	5.1	1.3	64	KERMADEC ISLANDS REGION
	29	15 06 49	4•	27.566	S	71.789	W	96 ?			1.1	9	NEAR COAST OF NORTHERN CHILE
	29	15 59 47	1%	46.132	N	3.037	E	10 G			0.4	8	FRANCE. ML 2.2 (LDG)
	29	16 38 17	0•	29.319	S	66.302	W	33 N			1.1	11	LA RIOJA PROVINCE, ARGENTINA
	29	18 31 56	2•	18.673	S	70.873	W	33 N			1.2	7	NEAR COAST OF NORTHERN CHILE
	29	19 19 01	87	15.35	N	96.94	E	10 G	3.9		0.4	5	SOUTH BURMA
	29	19 44 30	1	84.048	N	112.493	E	10 G	4.8	4.0	1.1	62	NORTH OF SEVERNAYA ZEMLYA
c	29	20 11 50	4	6.766	N	73.809	W	160 D	5.3		0.9	257	NORTHERN COLOMBIA. Felt strongly at Bucaramanga and Cucuta. Felt in many parts of northern and central Colombia. Also felt strongly in the San Cristobal-Maracaibo area, Venezuela.
	29	20 30 42	37	41.98	N	20.44	E	10 G			0.8	6	ALBANIA. ML 2.6 (TTG)
	29	20 56 33	6&	60.476	N	152.025	W	86				35	SOUTHERN ALASKA. <AGS-P>
	29	20 59 35	5?	28.56	S	178.43	W	10 G	4.8		1.4	8	KERMADEC ISLANDS REGION
	29	21 32 57	9?	38.60	N	50.10	E	33 N	4.4		0.4	8	IRAN
o	29	21 47 59	6	5.336	S	29.539	E	20 D	5.2	5.4	1.1	117	LAKE TANGANYIKA REGION
	29	22 29 24	1?	16.10	S	173.89	W	33 N	5.2		0.6	5	TONGA ISLANDS
	29	22 36 26	9•	44.485	N	10.734	E	10 G			1.1	7	NORTHERN ITALY. ML 2.7 (LDG)
	30	00 54 31	9%	40.865	N	28.289	E	10 G			1.0	9	TURKEY
	30	00 59 56	6•	68.092	N	163.780	W	33 N			1.1	8	ALASKA
	30	01 21 26	6	51.391	N	176.683	W	33 N	4.8	4.1	1.1	50	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PWR). Felt (III) on Adak.
	30	01 42 38	1?	31.59	S	70.64	W	33 N			0.5	5	CHILE-ARGENTINA BORDER REGION
	30	01 57 21	3•	34.524	N	87.776	E	33 N	4.4		1.4	11	TIBET
	30	02 13 49	3%	39.188	N	28.158	E	10 G			0.5	6	TURKEY
	30	02 48 31	9?	40.89	N	28.36	E	10 G			0.2	4	TURKEY
	30	04 02 52	0%	39.396	N	28.280	E	10 G			1.0	5	TURKEY
	30	04 39 06	0	51.351	N	176.691	W	33 N	4.5		1.1	31	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (II) on Adak.
	30	05 14 01	4	42.051	N	22.128	E	10 G	3.6		1.1	15	BULGARIA. ML 3.2 (TTG)
	30	05 49 01	2•	51.600	N	175.970	W	33 N	4.4		0.9	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	30	06 06 19	97	7.66	S	116.42	E	171 ?	4.8		1.3	12	BALI SEA
o	30	06 23 46	9	51.259	N	176.167	W	33 N	5.1	4.7	1.0	104	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PWR). Felt (III) on Adak.
	30	06 28 01	97	51.54	N	176.60	W	33 N	4.2		1.1	10	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PWR). Felt (II) on Adak.
	30	06 33 54	5•	51.896	N	176.115	W	33 N	4.0		0.9	9	ANDREANOF ISLANDS, ALEUTIAN IS.
	30	06 55 09	4•	51.117	N	176.124	W	33 N	4.2		0.9	17	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PWR). Felt (II) on Adak.
	30	06 58 37	8•	51.188	N	176.155	W	33 N	4.4		1.1	20	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PWR).
	30	07 17 15	1•	40.787	N	30.144	E	10 G			0.6	5	TURKEY
	30	07 33 54	6•	38.173	N	20.197	E	10 G	3.8		1.5	16	GREECE. ML 3.6 (ATH).
	30	07 39 36	1•	18.652	N	145.581	E	227 •	4.9		0.9	33	MARIANA ISLANDS

30	00 28 05 7* 31 843 S	72 982 W	33 N			1 1	8	OFF COAST OF CENTRAL CHILE
30	09 25 31 87 39 14 N	27 54 E	10 G			0 3	4	TURKEY
30	09 49 58.27 31 92 S	69 89 W	109 Y			0 3	5	SAN JUAN PROVINCE, ARGENTINA.
30	11 00 05 98 37 842 N	121 763 W	11				17	CENTRAL CALIFORNIA. <BRK> ML 3.6 (BRK). Mo=2.7*10**21 (BRK). Felt at Alamo, Berkeley, Danville and Richmond
30	11 03 38 05 40 920 N	28 214 E	10 G			1 1	7	TURKEY
30	11 57 55 4* 0 571 N	122 154 E	129 *	4 1		1 2	15	MINAHASSA PENINSULA
30	12 17 44 58 39 480 N	28 313 E	10 G			1 0	8	TURKEY
30	12 22 13 87 44 97 N	28 53 E	10 G			1 2	5	ROMANIA
30	14 22 28 7* 17 639 S	167 922 E	33 N	4 5		1 4	6	VANUATU ISLANDS
30	14 58 14 65 37 885 N	28 751 E	10 G			0 2	5	TURKEY
30	15 00 57 55 37 807 N	28 623 E	10 G			1 0	5	TURKEY
30	15 27 17 9* 5 960 N	82 590 W	10 G	4 4 3.9		1 2	17	SOUTH OF PANAMA
30	16 35 22 9* 45 716 N	13 588 E	6 G			0 4	5	NORTHERN ITALY. ML 3.8 (KBA). Probable explosion.
30	18 04 08 5 3 008 S	138 834 E	63 *	4 7		1 2	27	WEST IRIAN
30	18 07 56 1* 51 194 N	7 879 E	10 G			0 4	9	NORTH SEA
30	19 55 51 28 34 706 N	96 752 W	5 G				2	OKLAHOMA. <TUL>. MD 2.3 (TUL)
30	20 02 33 7 43 832 N	16 222 E	10 G			0 8	9	YUGOSLAVIA. MD 3.1 (TRI).
30	20 09 58 9* 10 059 N	72 885 W	33 N			1 0	6	VENEZUELA. Felt at Maracaibo.
30	22 43 34 8 11 367 N	86 990 W	33 N	4 8		1 3	43	NEAR COAST OF NICARAGUA
30	22 47 14 7 41 256 N	77 521 E	33 N	4 2		0 4	20	KIRGHIZ-XINJIANG BORDER REGION
o 30	22 52 12 4 11 254 N	86 935 W	64	5 4		1 0	227	NEAR COAST OF NICARAGUA. Ms 5 8 (BRK), 5 3 (PAS), mb 5 7 (PAS). Felt strongly at Managua and in northern Costa Rica. Felt at San Jose, Costa Rica.
30	23 25 32 4* 16 185 S	30 632 E	10 G			1 2	5	ZIMBABWE. MG 3.2 (BUL). Felt at Guruve.
30	23 32 32 85 40 869 N	28 256 E	10 G			1 0	8	TURKEY
30	23 44 35 2* 51 420 N	177 132 W	33 N	4 7		1 4	33	ANDREANOF ISLANDS, ALEUTIAN IS.
30	23 47 54 37 46 10 N	14 99 E	10 G			0 3	5	YUGOSLAVIA. MD 2.6 (TRI). ML 2.5 (KBA). Felt in the Hrastnik area.
30	23 59 45 3* 11 339 N	86 104 W	33 N	4 6 4 4		1 2	24	NEAR COAST OF NICARAGUA

A D D I T I O N A L S O U R C E P A R A M E T E R S

02 01 31 69.87 7.015S 154.484E 16km
5.9mb (48 obs) 5.7Msz (13 obs)
SOLOMON ISLANDS
FAULT PLANE SOLUTION P-Waves
NP1 Strike=165 Dip=82 Slip= -5
NP2 256 85 -172
Principal Axes:
T Plg= 2 Azm= 30
P 9 121
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a small normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 12 No. of sta: 4
Principal Axes:
Scale 10**24 d-cm
T Val= 8.11 Plg=18 Azm= 33
N 0.14 69 183
P -8.24 10 299
Best Double Couple:Mo=8.2*10**24
NP1:Strike= 75 Dip=70 Slip= 174
NP2: 167 84 20
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 32C
Centroid Location:
Origin Time 01:31:13.7 0.3
Lat 7.34S 0.03 Lon 154.57E 0.03
Dep 15.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM
T Val= 10.83 Plg= 8 Azm= 27
N -2.46 80 245
P -8.37 6 118
Best Double Couple:Mo=9.6*10**24
NP1:Strike=163 Dip=80 Slip= 1
NP2: 72 89 170

02 03 56 24.39 29.805N 130.603E 54km
5.1mb (28 obs) 5.0Msz (7 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 85, 18C
Centroid Location:
Origin Time 03:56:26.3 0.6
Lat 29.58N 0.06 Lon 130.67E 0.10
Dep 26.3 3.9 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 3.30 Plg=61 Azm=331
N 0.30 8 225
P -3.59 27 131
Best Double Couple:Mo=3.4*10**24
NP1:Strike=201 Dip=19 Slip= 64
NP2: 48 73 99

02 14 21 34.35 23.907N 123.362E 39km
5.2mb (46 obs) 5.2Msz (2 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 115, 23C
Centroid Location:
Origin Time 14:21:35.3 0.4
Lat 23.39N 0.04 Lon 123.61E 0.07
Dep 34.4 4.0 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.86 Plg=81 Azm=307
N -0.15 5 66
P -0.92 8 157
Best Double Couple:Mo=1.0*10**24
NP1:Strike=252 Dip=37 Slip= 97
NP2: 63 53 84

02 17 51 54.95 9.117N 93.489E 80km
5.7mb (104 obs.)
NICOBAR ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 29C
Centroid Location:
Origin Time 17:51:58.0 0.5
Lat 9.44N 0.04 Lon 93.50E 0.03
Dep 79.4 1.9 Half-duration 3.3
Principal Axes:
Scale 10**24 D-CM
T Val= 7.27 Plg=46 Azm= 94
N 1.02 39 243
P -8.29 16 346
Best Double Couple:Mo=7.8*10**24
NP1:Strike=118 Dip=45 Slip= 154
NP2: 227 72 48

03 00 54 44.91 5.665S 151.760E 67km
5.7mb (44 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 31C
Centroid Location:
Origin Time 00:54:46.1 0.3
Lat 5.89S 0.03 Lon 151.93E 0.03
Dep 40.3 2.3 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 4.25 Plg=66 Azm=314
N -0.67 17 88
P -3.58 16 183
Best Double Couple:Mo=3.9*10**24
NP1:Strike=296 Dip=32 Slip= 123
NP2: 79 63 71

03 14 49 09.77 10.378N 125.964E 67km
5.7mb (55 obs.)
LEYTE, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 115, 24C
Centroid Location:
Origin Time 14:49: 9.2 0.3
Lat 10.14N 0.03 Lon 126.21E 0.03
Dep 30.0 BDY Half-duration 3.7
Principal Axes:
Scale 10**25 D-CM
T Val= 1.27 Plg=68 Azm=319
N 0.21 15 184
P -1.48 15 90
Best Double Couple:Mo=1.4*10**25
NP1:Strike=160 Dip=33 Slip= 61
NP2: 13 61 108

03 19 34 40.34 20.732S 177.935W 502km
5.5mb (35 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 75, 14C
Centroid Location:
Origin Time 19:34:43.3 1.1
Lat 21.08S 0.17 Lon 178.04W 0.13
Dep 504.7 6.1 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 9.37 Plg=21 Azm= 68
N -3.55 28 166
P -5.81 60 296
Best Double Couple:Mo=7.6*10**23
NP1:Strike=127 Dip=30 Slip=-134
NP2: 354 69 -68

03 23 38 55.20 10.227N 103.629W 10km
5.0mb (12 obs.) 5.4Msz (1 obs.)
OFF COAST OF MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 65, 13C
Centroid Location:
Origin Time 23:38:59.8 0.8
Lat 10.73N 0.89 Lon 103.79W 0.10
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.75 Plg= 4 Azm=121
N 0.04 69 21
P -2.79 20 212
Best Double Couple:Mo=2.8*10**24
NP1:Strike=255 Dip=73 Slip= -12
NP2: 348 79 -163

04 15 48 20.80 65.636N 152.604W 10km
5.2mb (45 obs.) 4.7Msz (5 obs.)
ALASKA
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 9S, 22C
Centroid Location:
Origin Time 15:48:28.7 0.7
Lat 65.84N 0.09 Lon 153.81W 0.17
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM

T	Val= 1.16	Plg= 6	Azm=231
N	0.43	67	334
P	-1.59	22	139

Best Double Couple:Mo=1.4*10**24
NP1:Strike=277 Dip=71 Slip=-168
NP2: 183 79 -20

04 16 20 59.52 23.951N 121.739E 20km
5.1mb (36 obs.) 5.3Msz (2 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 14C
Centroid Location:
Origin Time 16:20:58.1 1.4
Lat 23.48N 0.12 Lon 122.12E 0.14
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

T	Val= 9.99	Plg=66	Azm=264
N	-0.54	16	34
P	-9.45	17	129

Best Double Couple:Mo=9.7*10**23
NP1:Strike=242 Dip=31 Slip= 122
NP2: 26 64 72

05 00 17 48.61 20.208S 178.869E 536km
5.2mb (35 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 13C
Centroid Location:
Origin Time 00:17:57.3 1.6
Lat 19.79S 0.13 Lon 178.46E 0.14
Dep 574.2 5.9 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM

T	Val= 8.58	Plg= 4	Azm=345
N	-1.65	81	97
P	-6.93	9	254

Best Double Couple:Mo=7.8*10**23
NP1:Strike= 30 Dip=81 Slip=-176
NP2: 299 86 -9

05 09 01 15.45 36.351S 97.382W 10km
5.1mb (11 obs.) 5.3Msz (5 obs.)
WEST CHILE RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 09:01:20.3 0.2
Lat 36.29S 0.03 Lon 97.12W 0.04
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM

T	Val= 5.30	Plg= 0	Azm=226
N	-0.81	90	180
P	-4.50	0	136

Best Double Couple:Mo=4.9*10**24
NP1:Strike=271 Dip=90 Slip= 180
NP2: 1 90 0

05 20 27 03.12 51.503N 174.255W 33km
5.4mb (65 obs.) 4.8Msz (8 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 20:27: 7.7 1.0
Lat 51.79N 0.10 Lon 174.33W 0.18
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

T	Val= 9.61	Plg=61	Azm=328
N	0.84	2	62
P	-10.45	29	153

Best Double Couple:Mo=1.0*10**24
NP1:Strike=251 Dip=16 Slip= 99
NP2: 61 74 87

06 04 00 59.87 56.814S 140.957W 10km
5.4mb (6 obs.) 5.0Msz (1 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GD
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 04:01: 8.5 0.3
Lat 57.08S 0.08 Lon 140.59W 0.08
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM

T	Val= 2.19	Plg= 5	Azm=341
N	0.68	62	80
P	-2.87	28	249

Best Double Couple:Mo=2.5*10**24
NP1:Strike= 28 Dip=87 Slip=-163
NP2: 292 74 -24

06 10 39 46.93 38.001N 37.917E 10km
5.0mb (80 obs.) 5.0Msz (11 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 10:39:49.2 0.8
Lat 37.36N 0.07 Lon 37.99E 0.08
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM

T	Val= 4.96	Plg= 0	Azm=115
N	2.85	90	180
P	-7.81	0	25

Best Double Couple:Mo=8.4*10**24
NP1:Strike=160 Dip=90 Slip= 180
NP2: 250 90 0

06 21 43 59.81 25.832N 124.485E 169km
5.1mb (57 obs.)
NORTHEAST OF TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 21:44: 3.4 1.2
Lat 25.46N 0.11 Lon 124.45E 0.20
Dep 162.7 6.6 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM

T	Val= 5.15	Plg=10	Azm=238
N	-0.05	38	140
P	-5.11	50	340

Best Double Couple:Mo=5.1*10**23
NP1:Strike= 4 Dip=48 Slip= -34
NP2: 119 65 -133

07 04 18 20.02 22.348S 170.338E 23km
5.3mb (24 obs.) 4.8Msz (5 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 04:18:29.1 1.0
Lat 22.20S 0.11 Lon 169.91E 0.10
Dep 15.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

T	Val= 13.67	Plg=39	Azm= 34
N	-5.07	43	256
P	-8.60	23	144

Best Double Couple:Mo=1.1*10**24
NP1:Strike=186 Dip=44 Slip= 14
NP2: 86 88 133

08 04 25 04.56 36.483N 142.793E 20km
5.0mb (32 obs.) 5.3Msz (2 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 04:25: 9.2 1.8
Lat 36.48N 0.16 Lon 142.64E 0.21
Dep 22.0 9.3 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM

T	Val= 6.20	Plg=61	Azm=277
N	-0.01	7	20
P	-6.19	28	114

Best Double Couple:Mo=6.2*10**23
NP1:Strike=223 Dip=18 Slip= 113
NP2: 18 73 83

08 04 33 01.52 38.000N 21.935E 21km
5.2mb (85 obs.) 4.9Msz (2 obs.)
SOUTHERN GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 04:33:19.8 3.2
Lat 38.07N 0.30 Lon 22.20E 0.18
Dep 29.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM

T	Val= 5.48	Plg=78	Azm=215
N	1.81	2	113
P	-8.58	11	23

Best Double Couple:Mo=8.0*10**23
NP1:Strike=109 Dip=34 Slip= 88
NP2: 295 56 93

08 11 02 25.87 43.269N 146.691E 50km
6.0mb (71 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION, P-Waves
NP1:Strike= 85 Dip=85 Slip= 130
NP2: 181 40 8
Principal Axes:
T Plg=37 Azm= 10
P 29 124
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 56 No. of sta: 14
Principal Axes:
Scale 10**25 d-cm

T	Val= 1.38	Plg=34	Azm= 10
N	-0.86	43	241
P	-1.32	28	120

Best Double Couple:Mo=1.4*10**25
NP1:Strike=157 Dip=43 Slip= 5
NP2: 64 87 133
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 11:02:29.5 0.2
Lat 42.95N 0.03 Lon 146.48E 0.04
Dep 69.5 2.7 Half-duration 3.7
Principal Axes:
Scale 10**24 D-CM

T	Val= 10.20	Plg=48	Azm= 4
N	0.61	24	247
P	-10.81	34	139

Best Double Couple:Mo=1.1*10**25
NP1:Strike=173 Dip=25 Slip= 15
NP2: 69 84 114

09 02 17 38.24 54.142N 168.132W 33km
5.0mb (24 obs.) 4.7Msz (4 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 09:17:42.5 0.6
Lat 54.59N 0.07 Lon 168.10W 0.08
Dep 49.5 5.7 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM

T	Val= 8.46	Plg= 4	Azm=250
N	0.08	86	70
P	-8.55	0	160

Best Double Couple:Mo=8.5*10**23
NP1:Strike=295 Dip=87 Slip= 177
NP2: 25 87 3

11 02 59 01.40 2.100S 139.279E 33km
5.5mb (42 obs.) 5.0Msz (14 obs.)
NEAR N. COAST OF WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 02:59: 9.4 0.5
Lat 1.30S 0.06 Lon 139.10E 0.04
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM

T	Val= 5.61	Plg=49	Azm=182
N	1.42	45	311

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      P       -7.02      18       58
   Best Double Couple Mo=6.3e18**25
    NP1:Strike=192 Dip=49 Slip= 169
    NP2:        295      75       43

11 06 18 18.06  15.4495 179.237W  18km
   5.6mb ( 35 obs ) 5.7Msz ( 10 obs )
   FIJI ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 125, 29C
   Centroid Location:
   Origin Time        06:18:24.4 0.2
   Lat 15.285 0.03 Lon 179.28W 0.02
   Dep  15.0 Fix Half-duration  3.7
   Principal Axes:
     Scale 10**25 D-CM
     T  Val=  1.05  Plg=12  Azm=132
     N        0.20      83       18
     P       -1.25      24      228
   Best Double Couple Mo=1.1e18**25
    NP1:Strike=268 Dip=64 Slip=  -9
    NP2:         2      82      -154

11 13 48 01.35  18.597N  62.928W  19km
   6.6mb ( 64 obs ) 6.2Msz ( 22 obs )
   NEAR COAST OF VENEZUELA
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=175 Dip=86 Slip=  20
    NP2:        84      70      176
   Principal Axes:
     T                 Plg=17  Azm= 41
     P                     11      308
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to strike-slip
     faulting with a moderate
     reverse component. The
     preferred fault plane is not
     determined.
   MOMENT TENSOR SOLUTION
   Dep  34          No. of sta: 15
   Principal Axes:
     Scale 10**25 d-cm
     T  Val=  3.03  Plg=24  Azm= 58
     N       -0.01      66      199
     P       -3.01      17      329
   Best Double Couple Mo=3.0e18**25
    NP1:Strike= 98 Dip=61 Slip= 174
    NP2:       190      85       30
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 175, 38C  M.W.:  85, 21C
   Centroid Location:
   Origin Time        13:48:11.0 0.2
   Lat 19.78N 0.03 Lon  62.93W 0.02
   Dep  20.0 BDY Half-duration  5.3
   Principal Axes:
     Scale 10**25 D-CM
     T  Val=  2.97  Plg=15  Azm= 58
     N       -0.86      48      157
     P       -2.98      38      308
   Best Double Couple:Mo=2.9e18**25
    NP1:Strike= 97 Dip=52 Slip=-161
    NP2:       354      75      -40

11 20 15 42.11  48.245N  51.665E  47km
   5.1mb ( 60 obs ) 4.7Msz ( 3 obs.)
   CASPIAN SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 115, 24C
   Centroid Location:
   Origin Time        20:15:44.9 0.5
   Lat 48.17N 0.08 Lon  51.83E 0.08
   Dep  50.3 5.8 Half-duration  1.6
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  8.16  Plg=  7  Azm=224
     N       -0.55      22      317
     P       -7.62      67      118
   Best Double Couple:Mo=7.9e18**23
    NP1:Strike=291 Dip=43 Slip=-123
    NP2:       153      55      -63

12 09 26 49.82  14.437N 121.843E  33km
   5.8mb ( 14 obs.) 5.3Msz ( 1 obs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  95, 16C
   Centroid Location:
   Origin Time        09:26:47.2 0.8
   Lat 14.88N 0.09 Lon 121.91E 0.11
   Dep  33.0 Fix Half-duration  1.6
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  9.28  Plg=31  Azm=191
     N       -2.09      59       7
     P       -7.19       3      100
   Best Double Couple Mo=8.2e18**23
    NP1:Strike=231 Dip=67 Slip= 150
    NP2:       329      78       24

12 13 48 46.78   7.8195 129.497E 116km
   5.5mb ( 31 obs.)
   BANDA SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 125, 18C
   Centroid Location:
   Origin Time        13:48:53.9 0.8
   Lat  6.85S 0.08 Lon 129.57E 0.06
   Dep 140.8 1.9 Half-duration  2.2
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  2.58  Plg=42  Azm=264
     N       -0.65      45       55
     P       -1.85      15      160
   Best Double Couple Mo=2.2e18**24
    NP1:Strike=293 Dip=49 Slip= 158
    NP2:        38      73       43

14 03 58 25.62  57.873S  23.384W  33km
   5.5mb ( 21 obs ) 5.0Msz ( 2 obs.)
   SOUTH SANDWICH ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 135, 29C
   Centroid Location:
   Origin Time        03:58:38.4 0.3
   Lat 57.69S 0.04 Lon  23.24W 0.08
   Dep  15.0 Fix Half-duration  2.1
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  2.92  Plg=17  Azm=268
     N       -0.96       2      177
     P       -1.96      73       82
   Best Double Couple:Mo=2.4e18**24
    NP1:Strike=  8 Dip=28 Slip= -87
    NP2:       176      62      -92

14 14 51 03.55   2.841N  97.997E  66km
   5.4mb ( 71 obs.)
   NORTHERN SUMATERA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 115, 24C
   Centroid Location:
   Origin Time        14:51: 6.7 0.8
   Lat  1.86N 0.08 Lon  97.48E 0.06
   Dep  44.9 5.4 Half-duration  1.6
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  8.88  Plg=69  Azm=354
     N       0.98       18      141
     P      -8.98       11      234
   Best Double Couple:Mo=8.4e18**23
    NP1:Strike=345 Dip=38 Slip= 120
    NP2:       129      58       69

14 15 33 56.93   5.6515 110.343E 563km
   5.5mb ( 33 obs.)
   JAVA SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 145, 28C
   Centroid Location:
   Origin Time        15:34: 2.3 0.6
   Lat  5.44S 0.04 Lon 110.38E 0.05
   Dep 578.8 2.3 Half-duration  2.6
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  4.32  Plg=14  Azm= 44
     N       -0.18       23      140
     P       -4.22       63      286
   Best Double Couple:Mo=4.3e18**24
    NP1:Strike=106 Dip=37 Slip=-130
    NP2:       333      63      -64

14 23 29 23.38  19.096S 169.776E  18km
   5.3mb ( 22 obs.) 5.6Msz ( 12 obs.)
   VANUATU ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 145, 35C
   Centroid Location:
   Origin Time        23:29:31.6 0.3
   Lat 19.93S 0.04 Lon 169.82E 0.03
   Dep  15.0 Fix Half-duration  3.0
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  5.56  Plg=  0  Azm= 38
     N        0.55       2      308
     P       -6.11      88      136
   Best Double Couple Mo=5.8e18**24
    NP1:Strike=138 Dip=45 Slip= -87
    NP2:       306      45      -93

15 03 19 57.19  29.872S 178.543W  18km
   5.3mb ( 18 obs ) 6.0Msz ( 15 obs )
   KERMADEC ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 145, 35C
   Centroid Location:
   Origin Time        03:11: 5.3 0.4
   Lat 29.87S 0.04 Lon 176.29W 0.04
   Dep  15.0 BDY Half-duration  2.6
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  4.23  Plg=73  Azm=291
     N        0.68       0      200
     P       -4.91      17      110
   Best Double Couple Mo=4.6e18**24
    NP1:Strike=200 Dip=28 Slip=  89
    NP2:        21      62       90

15 23 58 44.35   0.831N  26.885W  10km
   4.9mb ( 34 obs ) 4.9Msz ( 7 obs )
   CENTRAL MID-ATLANTIC RIDGE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 135, 32C
   Centroid Location:
   Origin Time        23:58:55.2 0.3
   Lat  1.16N 0.03 Lon  26.48W 0.02
   Dep  15.0 Fix Half-duration  2.3
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  2.21  Plg=  0  Azm=216
     N        0.02      90      180
     P       -2.23       0      126
   Best Double Couple:Mo=2.2e18**24
    NP1:Strike=261 Dip=90 Slip= 180
    NP2:       351      90        0

16 04 52 08.43  49.142S 121.335E  10km
   4.8mb ( 5 obs.) 5.1Msz ( 3 obs.)
   SOUTH OF AUSTRALIA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 125, 23C
   Centroid Location:
   Origin Time        04:52:10.9 0.5
   Lat 49.47S 0.08 Lon 120.97E 0.10
   Dep  15.0 FIX Half-duration  1.7
   Principal Axes:
     Scale 10**23 D-CM
     T  Val= 11.06  Plg=17  Azm= 63
     N       -1.70       68      281
     P       -9.36       14      329
   Best Double Couple:Mo=1.0e18**24
    NP1:Strike=106 Dip=88 Slip= 178
    NP2:       196      88       22

16 10 48 25.78  22.037S 178.925W 547km
   6.3mb ( 36 obs.)
   SOUTH OF FIJI ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike= 25 Dip=85 Slip=-180
    NP2:       228      27      -70
   Principal Axes:
     T                 Plg=19  Azm=122
     P                     68      275
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to normal faulting
     with a small left-lateral
     strike-slip component. The
     preferred fault plane is NP1.
   MOMENT TENSOR SOLUTION
   Dep 546          .   No. of sta: 11
   Principal Axes:
     Scale 10**26 d-cm
     T  Val=  5.19  Plg=19  Azm=108
     N        0.01       7       16
     P       -5.20      69      266
   Best Double Couple:Mo=5.2e18**26
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NP1:Strike=211 Dip=27 Slip= -73
NP2: 12 65 -98
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 58C M.W.: 12S, 31C
Centroid Location:
Origin Time 10:48:35.0 0.1
Lat 21.86S 0.01 Lon 178.87W 0.01
Dep 584.8 1.0 Half-duration 12.8
Principal Axes:
Scale 10**26 D-CM
T Val= 3.98 Plg=27 Azm=135
N 1.02 6 42
P -5.00 62 300
Best Double Couple:Mo=4.5*10**26
NP1:Strike=241 Dip=19 Slip= -70
NP2: 48 72 -97

16 17 15 10.07 47.282S 13.324W 10km
5.3mb (28 obs) 5.5Msz (9 obs.)
SOUTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 17:15:15.4 0.8
Lat 47.17S 0.05 Lon 13.73W 0.10
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Val= 5.65 Plg= 4 Azm= 74
N -0.81 8 343
P -4.85 81 187
Best Double Couple:Mo=5.3*10**24
NP1:Strike=173 Dip=42 Slip= -77
NP2: 336 49 -101

17 00 42 35.40 53.880N 160.388E 33km
5.9mb (74 obs.) 4.8Msz (8 obs.)
NEAR EAST COAST OF KAMCHATKA
MOMENT TENSOR SOLUTION
Dep 45 No. of sta: 14
Principal Axes:
Scale 10**24 d-cm
T Val= 1.62 Plg=80 Azm=319
N 0.45 2 218
P -2.07 10 128
Best Double Couple:Mo=1.8*10**24
NP1:Strike=215 Dip=35 Slip= 86
NP2: 39 55 92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 00:42:41.5 0.5
Lat 53.56N 0.04 Lon 161.15E 0.07
Dep 58.7 1.9 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.75 Plg=80 Azm=299
N 0.33 1 35
P -2.08 10 125
Best Double Couple:Mo=1.9*10**24
NP1:Strike=217 Dip=35 Slip= 92
NP2: 34 55 89

17 08 48 19.08 4.406N 32.622W 10km
5.1mb (41 obs.) 4.9Msz (7 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 08:48:28.2 0.6
Lat 4.55N 0.07 Lon 32.55W 0.06
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 9.25 Plg= 2 Azm= 87
N -0.31 10 178
P -8.94 77 317
Best Double Couple:Mo=9.1*10**23
NP1:Strike=165 Dip=38 Slip=-106
NP2: 5 54 -78

17 10 38 17.26 5.776N 126.742E 33km
5.9mb (69 obs) 5.5Msz (12 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=124 Dip=88 Slip= 25
NP2: 33 65 178
Principal Axes:
T Plg=19 Azm=351
P 16 256
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 65 No. of sta: 6
Principal Axes:
Scale 10**25 d-cm
T Val= 1.73 Plg=26 Azm=339
N -0.01 63 155
P -1.72 2 248
Best Double Couple:Mo=1.7*10**25
NP1:Strike= 28 Dip=70 Slip= 162
NP2: 117 73 21
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 10:38:22.1 0.4
Lat 5.47N 0.04 Lon 126.91E 0.03
Dep 65.0 BDY Half-duration 3.8
Principal Axes:
Scale 10**24 D-CM
T Val= 9.98 Plg=18 Azm=341
N 1.74 63 113
P -11.72 19 245
Best Double Couple:Mo=1.1*10**25
NP1:Strike= 23 Dip=83 Slip=-180
NP2: 293 90 -27

17 12 19 20.84 28.346S 68.041E 10km
5.5mb (49 obs) 5.3Msz (2 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 12:19:28.4 0.7
Lat 28.01S 0.10 Lon 68.41E 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.30 Plg= 6 Azm=259
N 0.01 18 351
P -1.31 71 150
Best Double Couple:Mo=1.3*10**24
NP1:Strike=330 Dip=42 Slip=-117
NP2: 184 54 -68

17 18 13 11.55 5.844N 125.259E 32km
6.2mb (76 obs.) 6.4Msz (29 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=70 Slip= 107
NP2: 158 26 51
Principal Axes:
T Plg=61 Azm=316
P 23 97
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 40 No. of sta: 9
Principal Axes:
Scale 10**25 d-cm
T Val= 8.74 Plg=60 Azm=301
N -0.55 12 190
P -8.19 27 93
Best Double Couple:Mo=8.5*10**25
NP1:Strike=156 Dip=21 Slip= 55
NP2: 13 73 102
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C M.W.: 7S, 19C
Centroid Location:
Origin Time 18:13:17.4 0.2
Lat 5.62N 0.02 Lon 125.39E 0.01
Dep 39.8 1.0 Half-duration 6.4
Principal Axes:
Scale 10**25 D-CM
T Val= 5.89 Plg=66 Azm=323
N 0.17 21 177
P -6.06 12 82
Best Double Couple:Mo=6.0*10**25
NP1:Strike=147 Dip=37 Slip= 54
NP2: 9 61 114

18 00 05 15.45 51.356N 176.653W 21km
5.0mb (87 obs.) 6.3Msz (25 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 57 Dip=83 Slip= 90
NP2: 237 25 90
Principal Axes:
T Plg=79 Azm=327
P 29 147
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 48C M.W.: 8S, 19C
Centroid Location:
Origin Time 00:05:19.1 0.2
Lat 51.71N 0.01 Lon 178.54W 0.03
Dep 44.5 0.9 Half-duration 6.3
Principal Axes:
Scale 10**25 D-CM
T Val= 5.96 Plg=68 Azm=302
N -0.38 11 99
P -5.58 19 194
Best Double Couple:Mo=5.8*10**25
NP1:Strike=261 Dip=28 Slip= 113
NP2: 55 64 78

19 06 58 37.84 14.976S 166.832E 33km
5.2mb (15 obs)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 28C
Centroid Location:
Origin Time 06:58:38.6 0.4
Lat 14.19S 0.06 Lon 166.57E 0.05
Dep 35.0 BDY Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.38 Plg=74 Azm=358
N 0.28 16 167
P -1.66 3 258
Best Double Couple:Mo=1.5*10**24
NP1:Strike= 4 Dip=45 Slip= 113
NP2: 153 50 69

19 06 09 09.21 56.331N 152.914W 17km
6.0mb (87 obs) 6.3Msz (22 obs)
KODIAK ISLAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 33 Dip=78 Slip= 90
NP2: 213 12 99
Principal Axes:
T Plg=57 Azm=303
P 33 12
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 1 No. of sta: 17
Principal Axes:
Scale 10**26 d-cm
T Val= 1.56 Plg=68 Azm=295
N 0.15 13 48
P -1.72 27 145
Best Double Couple:Mo=1.6*10**26
NP1:Strike=265 Dip=22 Slip= 128
NP2: 44 73 76
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 09:09:15.5 0.3
Lat 55.93N 0.05 Lon 152.45W 0.06
Dep 15.0 FIX Half-duration 5.5
Principal Axes:
Scale 10**25 D-CM
T Val= 3.69 Plg=52 Azm=335
N 0.26 3 241
P -3.95 38 148
Best Double Couple:Mo=3.8*10**25
NP1:Strike=215 Dip= 7 Slip= 64
NP2: 61 83 93

19 17 18 58.21 38.108S 100.700W 10km
4.9mb (5 obs.) 4.6Msz (1 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)

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    Data Used: GDSN
    L.P.B.: 12S, 32C
    Centroid Location:
    Origin Time          17:19: 2.6 0.3
    Lat 38.28S 0.05 Lon 180.66W 0.06
    Dep  15.0 Fix Half-duration  1.9
    Principal Axes:
      Scale 10**24 D-CM
      T  Val=  1.68  Plg= 5  Azm= 49
      N       -0.10       83       184
      P       -1.58        6       319
    Best Double Couple:Mo=1.6*10**24
     NP1:Strike= 94 Dip=83 Slip= 180
     NP2:       184     90         7

1/ 18 12 27.9A   7.799N  94.51E 164km
    5.9mb ( 75 obs.)
    NICOBAR ISLANDS REGION
    FAULT PLANE SOLUTION  P-Waves
     NP1:Strike=120 Dip=67 Slip= -80
     NP2:       278      25      -112
    Principal Axes:
      T                  Plg=21  Azm=202
      P                      67       48
    Comment: The focal mechanism is
     moderately well controlled and
     corresponds to normal faulting
     with a small strike-slip
     component. The preferred fault
     plane is NP1.
    MOMENT TENSOR SOLUTION
    Dep 15S                 No. of sta:  7
    Principal Axes:
      Scale 10**24 d-cm
      T  Val=  5.92  Plg=13  Azm=192
      N        0.03       17       286
      P       -5.94       68        65
    Best Double Couple:Mo=6.0*10**24
     NP1:Strike=280 Dip=35 Slip=-120
     NP2:       116      60       -71
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 13S, 34C
    Centroid Location:
    Origin Time          18:12:32.8 0.2
    Lat  7.98N 0.03 Lon  94.48E 0.03
    Dep 181.3 1.0 Half-duration  3.5
    Principal Axes:
      Scale 10**24 D-CM
      T  Val=  8.65  Plg=23  Azm=204
      N        0.52       18       302
      P       -9.18       60        66
    Best Double Couple:Mo=8.9*10**24
     NP1:Strike=263 Dip=27 Slip=-132
     NP2:       128      70       -71

19 20 01 43.52  30.224S 178.085W  33km
    5.7mb ( 31 obs.)  5.4Msz (  5 obs.)
    KERMADEC ISLANDS
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 12S, 22C
    Centroid Location:
    Origin Time          20:01:51.7 0.7
    Lat 30.12S 0.07 Lon 177.92W 0.07
    Dep  46.5 5.0 Half-duration  1.8
    Principal Axes:
      Scale 10**24 D-CM
      T  Val=  1.25  Plg=77  Azm=225
      N        0.37       11        13
      P       -1.62        7       105
    Best Double Couple:Mo=1.4*10**24
     NP1:Strike=207 Dip=39 Slip= 108
     NP2:         5      53        76

19 21 57 24.33  16.943S  65.426W  20km
    5.4mb ( 48 obs.)  5.2Msz (  5 obs.)
    BOLIVIA
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 12S, 28C
    Centroid Location:
    Origin Time          21:57:32.7 0.4
    Lat 16.68S 0.06 Lon  65.62W 0.06
    Dep  15.0 BDY Half-duration  1.7
    Principal Axes:
      Scale 10**23 D-CM
      T  Val=  9.59  Plg=79  Azm=320
      N        1.36       11       136
      P      -10.95        1       226
    Best Double Couple:Mo=1.0*10**24
     NP1:Strike=327 Dip=45 Slip= 106
     NP2:       125      47        74

19 23 18 28.81  38.944S 177.757W  10km
    5.5mb ( 31 obs.)  6.3Msz ( 22 obs.)
    KERMADEC ISLANDS
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 14S, 35C
    Centroid Location:
    Origin Time          23:18:35.3 0.3
    Lat 38.88S 0.03 Lon 177.38W 0.03
    Dep  15.0 Fix Half-duration  4.0
    Principal Axes:
      Scale 10**25 D-CM
      T  Val=  1.44  Plg=68  Azm=278
      N        0.26        4        19
      P       -1.70       22       110
    Best Double Couple:Mo=1.8*10**25
     NP1:Strike=288 Dip=24 Slip= 100
     NP2:        17      67        85

20 02 37 52.95  32.213S 179.077W  10km
    5.5mb ( 12 obs.)
    SOUTH OF KERMADEC ISLANDS
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 12S, 26C
    Centroid Location:
    Origin Time          02:38: 9.3 0.6
    Lat 32.60S 0.08 Lon 178.73W 0.11
    Dep  26.0 Fix Half-duration  1.8
    Principal Axes:
      Scale 10**24 D-CM
      T  Val=  2.51  Plg=48  Azm=297
      N        0.00        2        29
      P       -2.51       41       120
    Best Double Couple:Mo=2.5*10**24
     NP1:Strike=238 Dip= 4 Slip= 119
     NP2:        29      86        88

20 07 00 05.51  81.756N 119.881E  10km
    4.9mb ( 35 obs.)  4.0Msz (  1 obs.)
    EAST OF SEVERNAYA ZEMLYA
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 11S, 26C
    Centroid Location:
    Origin Time          07:00: 7.7 1.0
    Lat 81.70N 0.17 Lon 122.63E 0.88
    Dep  15.0 Fix Half-duration  1.3
    Principal Axes:
      Scale 10**23 D-CM
      T  Val=  2.98  Plg=14  Azm=253
      N       -0.36        9       161
      P       -2.62       73        39
    Best Double Couple:Mo=2.8*10**23
     NP1:Strike=356 Dip=32 Slip= -73
     NP2:       156      60      -100

20 17 12 46.94  31.240N  86.847E  33km
    5.9mb ( 71 obs.)  6.1Msz ( 20 obs.)
    TIBET
    FAULT PLANE SOLUTION: P-Waves
     NP1:Strike=135 Dip=88 Slip=-175
     NP2:        45      85       -2
    Principal Axes:
      T                  Plg= 2  Azm=270
      P                      5        0
    Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a small normal
     component. The preferred fault
     plane is not determined.
    MOMENT TENSOR SOLUTION
    Dep  16                 No. of sta:  9
    Principal Axes:
      Scale 10**25 d-cm
      T  Val=  1.61  Plg= 5  Azm=181
      N        0.00       84       258
      P       -1.61        2        11
    Best Double Couple:Mo=1.6*10**25
     NP1:Strike=146 Dip=85 Slip= 178
     NP2:       236      88         5
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 15S, 36C
    Centroid Location:
    Origin Time          17:12:51.7 0.3
    Lat 30.82N 0.03 Lon  86.77E 0.04
    Dep  15.0 BDY Half-duration  4.4
    Principal Axes:
      Scale 10**25 D-CM
      T  Val=  1.45  Plg= 6  Azm=276
      N       -0.03       77       160
      P       -1.42       12         7
    Best Double Couple:Mo=1.4*10**25
     NP1:Strike= 51 Dip=78 Slip= -4
     NP2:       142      86      -168

20 18 41 28.81  58.688S  25.122W  33km
    5.8mb ( 24 obs.)  5.8Msz ( 18 obs.)
    SOUTH SANDWICH ISLANDS REGION
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 13S, 29C
    Centroid Location:
    Origin Time          18:41:26.1 0.4
    Lat 58.67S 0.07 Lon  25.38W 0.13
    Dep  15.0 Fix Half-duration  2.9
    Principal Axes:
      Scale 10**24 D-CM
      T  Val=  7.28  Plg=64  Azm=324
      N       -1.14        8       218
      P       -6.14       25       124
    Best Double Couple:Mo=6.7*10**24
     NP1:Strike=197 Dip=21 Slip= 68
     NP2:        41      71        98

20 21 48 46.17  58.614S  25.068W  33km
    5.3mb ( 18 obs.)  5.1Msz (  5 obs.)
    SOUTH SANDWICH ISLANDS REGION
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 13S, 33C
    Centroid Location:
    Origin Time          21:48:52.1 0.4
    Lat 58.82S 0.05 Lon  24.93W 0.09
    Dep  16.0 2.7 Half-duration  2.4
    Principal Axes:
      Scale 10**24 D-CM
      T  Val=  2.71  Plg=69  Azm=185
      N        0.08       20       352
      P       -2.79        4        84
    Best Double Couple:Mo=2.8*10**24
     NP1:Strike=194 Dip=44 Slip= 120
     NP2:       335      53        64

21 19 33 14.83  58.637S  24.959W  33km
    5.0mb (  7 obs.)  4.9Msz (  2 obs.)
    SOUTH SANDWICH ISLANDS REGION
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 11S, 29C
    Centroid Location:
    Origin Time          19:33:18.2 0.4
    Lat 58.88S 0.06 Lon  24.77W 0.12
    Dep  29.2 4.4 Half-duration  1.5
    Principal Axes:
      Scale 10**23 D-CM
      T  Val=  7.88  Plg=74  Azm=353
      N       -1.36        6       240
      P       -6.52       15       149
    Best Double Couple:Mo=7.2*10**23
     NP1:Strike=230 Dip=31 Slip= 78
     NP2:        64      60        97

21 22 33 12.75  20.024S  66.519E  10km
    5.1mb ( 12 obs.)  4.6Msz (  2 obs.)
    MASCARENE ISLANDS REGION
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 14S, 31C
    Centroid Location:
    Origin Time          22:33:22.5 0.4
    Lat 19.86S 0.05 Lon  66.43E 0.04
    Dep  15.0 Fix Half-duration  2.0
    Principal Axes:
      Scale 10**24 D-CM
      T  Val=  1.77  Plg= 0  Azm=201
      N       -0.33       90       180
      P       -1.44        0       111
    Best Double Couple:Mo=1.6*10**24
     NP1:Strike=246 Dip=90 Slip= 180
     NP2:       336      90         0

22 05 28 52.83  51.210N 175.176W  33km
    4.9mb ( 41 obs.)  4.9Msz (  9 obs.)
    ANDREANOF ISLANDS, ALEUTIAN IS.
    CENTROID, MOMENT TENSOR     (HRV)
    Data Used: GDSN
    L.P.B.: 11S, 24C
    Centroid Location:
    Origin Time          05:28:56.9 0.7
    Lat 51.51N 0.06 Lon 174.94W 0.10
    Dep  32.2 3.5 Half-duration  1.8
    Principal Axes:
      Scale 10**23 D-CM
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    T  Val= 12.78  Plg=78  Azm=333
    N       0.90      8      63
    P     -13.68     28     153
  Best Double Couple:Mo=1.3*10**24
   NP1:Strike=243 Dip=25 Slip=  90
   NP2:          63    65      90

23 20 35 21.17   6.02S 148.94BE   84km
   5.6mb ( 21 obs )
   NEW BRITAIN REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 25C
   Centroid Location:
   Origin Time        20:35:24.3 1.1
   Lat  6.36S 0.11 Lon 149.01E 0.09
   Dep  99.7 4.7 Half-duration  1.5
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  6.71  Plg=65  Azm= 10
     N      -0.02      42      188
     P      -6.68      12      287
   Best Double Couple:Mo=6.7*10**23
    NP1:Strike= 37 Dip=49 Slip= 152
    NP2:         146    69       44

24 02 53 11.25  34.79AN 140.59SE   63km
   6.1mb (185 obs )
   NEAR EAST COAST OF HONSHU, JAPAN
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=333 Dip=73 Slip=  20
    NP2:         237    71      162
   Principal Axes:
     T                 Plg=26  Azm=195
     P                      1      105
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a moderate
     reverse component. The
     preferred fault plane is not
     determined.
   MOMENT TENSOR SOLUTION
   Dep   7            No. of sta: 14
   Principal Axes:
     Scale 10**25 d-cm
     T  Val=  6.88  Plg=32  Azm=180
     N      -0.02      58       10
     P      -6.87       5      273
   Best Double Couple:Mo=6.9*10**25
    NP1:Strike=321 Dip=65 Slip=  20
    NP2:         222    72      153
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 17S, 38C
   Centroid Location:
   Origin Time        02:53:18.3 0.2
   Lat 35.11N 0.03 Lon 140.40E 0.02
   Dep  59.8 1.4 Half-duration  7.5
   Principal Axes:
     Scale 10**25 D-CM
     T  Val=  8.91  Plg=25  Azm=182
     N       0.95      63      340
     P      -9.87       9       88
   Best Double Couple:Mo=9.4*10**25
    NP1:Strike=222 Dip=66 Slip= 168
    NP2:         317    79       25

24 03 11 30.93   4.44S 143.94E  182km
   6.6mb ( 41 obs.)  7.1Msz ( 23 obs.)
   PAPUA NEW GUINEA
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=113 Dip=73 Slip= 180
    NP2:         262    20       60
   Principal Axes:
     T                 Plg=61  Azm= 38
     P                     27      195
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting with a small strike-
     slip component. The preferred
     fault plane is NP2.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 36C  M.W.:  9S, 22C
   Centroid Location:
   Origin Time        03:11:43.2 0.2
   Lat  4.42S 0.02 Lon 143.64E 0.02
   Dep  99.7 1.1 Half-duration 15.4
   Principal Axes:
     Scale 10**26 D-CM
     T  Val=  8.95  Plg=61  Azm= 13
     N      -1.07       8      317
     P      -7.88      27      211
   Best Double Couple:Mo=8.4*10**26
    NP1:Strike=320 Dip=19 Slip= 114
    NP2:         115    73       82

24 04 58 54.59   0.08S  17.82W   22km
   5.7mb ( 69 obs )  6.0Msz ( 23 obs )
   NORTH OF ASCENSION ISLAND
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=188 Dip=78 Slip= 178
    NP2:         192    88      12
   Principal Axes:
     T                 Plg=15  Azm= 56
     P                     2       326
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a small reverse
     component. The preferred fault
     plane is not determined.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 32C
   Centroid Location:
   Origin Time        08:57:  7.3 0.4
   Lat  0.53N 0.04 Lon  17.41W 0.05
   Dep  15.0 Fix Half-duration  6.0
   Principal Axes:
     Scale 10**25 D-CM
     T  Val=  4.48  Plg=13  Azm= 38
     N      -0.35      75      191
     P      -4.13       6      307
   Best Double Couple:Mo=4.3*10**25
    NP1:Strike= 82 Dip=76 Slip= 175
    NP2:         173    85       14

24 17 39 18.92  28.27S 178.12W   12km
   5.5mb ( 21 obs.)  5.7Msz ( 11 obs )
   KERMADEC ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 32C
   Centroid Location:
   Origin Time        17:39:25.4 0.6
   Lat 28.18S 0.06 Lon 178.34W 0.06
   Dep  15.0 Fix Half-duration  3.0
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  6.77  Plg=  8  Azm=127
     N      -0.75      73      236
     P      -6.02      16       35
   Best Double Couple:Mo=6.4*10**24
    NP1:Strike=172 Dip=74 Slip=-172
    NP2:         80    83      -16

24 19 31 06.52  28.24S 178.24BW   11km
   5.6mb ( 26 obs.)  5.8Msz ( 14 obs )
   KERMADEC ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 16S, 34C
   Centroid Location:
   Origin Time        19:31:17.4 0.3
   Lat 27.79S 0.03 Lon 178.42W 0.03
   Dep  15.0 Fix Half-duration  3.6
   Principal Axes:
     Scale 10**24 D-CM
     T  Val= 10.61  Plg=  3  Azm=302
     N      -0.51      87      132
     P     -10.10       0       32
   Best Double Couple:Mo=1.0*10**25
    NP1:Strike= 77 Dip=88 Slip=   1
    NP2:         347    89      178

24 23 53 32.57  36.07SS 100.47SW   10km
   4.8mb (  9 obs.)  5.0Msz (  1 obs )
   SOUTHERN PACIFIC OCEAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 22C
   Centroid Location:
   Origin Time        23:53:32.3 0.9
   Lat 36.55S 0.10 Lon 100.45W 0.13
   Dep  15.0 Fix Half-duration  1.7
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  7.59  Plg=  0  Azm=233
     N      -2.99      90      180
     P      -4.69       0      143
   Best Double Couple:Mo=6.1*10**23
    NP1:Strike=278 Dip=90 Slip= 180
    NP2:          8    90        0

27 03 09 50.88   7.94S 122.79E  629km
   5.4mb ( 48 obs )
   FLORES SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 25C
   Centroid Location:
   Origin Time        03:09:52.2 0.8
   Lat  8.01S 0.07 Lon 122.53E 0.07
   Dep 232.6 3.9 Half-duration  1.0
   Principal Axes:
     Scale 10**23 D-CM
     T  Val= 10.92  Plg=53  Azm=  7
     N       0.15      16      250
     P     -10.47      32      149
   Best Double Couple:Mo=1.0*10**24
    NP1:Strike=195 Dip=19 Slip=  96
    NP2:         73    70      105

27 18 48 57.45   30.98S 177.98W   20km
   5.0mb (  7 obs )  5.4Msz (  7 obs )
   KERMADEC ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 24C
   Centroid Location:
   Origin Time        18:49:  2.2 1.7
   Lat 31.09S 0.09 Lon 177.48W 0.11
   Dep  15.0 Fix Half-duration  1.5
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  9.54  Plg=61  Azm=258
     N       0.38      18       16
     P      -9.83      22      113
   Best Double Couple:Mo=9.7*10**23
    NP1:Strike=234 Dip=28 Slip= 131
    NP2:          9    70       71

28 05 03 47.47   20.03S 178.05BW   211km
   6.1mb ( 67 obs )
   FIJI ISLANDS REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=198 Dip=90 Slip=  90
    NP2:         287     0      360
   Principal Axes:
     T                 Plg=45  Azm=180
     P                     45      270
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is NP1.
   MOMENT TENSOR SOLUTION
   Dep 228            No. of sta: 13
   Principal Axes:
     Scale 10**25 d-cm
     T  Val=  5.84  Plg=42  Azm= 95
     N       0.00       5        8
     P      -5.84      48      265
   Best Double Couple:Mo=5.8*10**25
    NP1:Strike=239 Dip= 8 Slip= -31
    NP2:         360    87      -95
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 20S, 49C  M.W.: 18S, 25C
   Centroid Location:
   Origin Time        05:03:55.4 0.1
   Lat 19.96S 0.01 Lon 175.71W 0.01
   Dep 222.1 0.8 Half-duration  6.6
   Principal Axes:
     Scale 10**25 D-CM
     T  Val=  6.42  Plg=68  Azm=114
     N      -0.49      19        7
     P      -5.93      44      258
   Best Double Couple:Mo=6.2*10**25
    NP1:Strike=271 Dip=19 Slip=  -6
    NP2:          7    88     -109

29 04 30 03.82   52.33BN 174.85BW   33km
   4.9mb ( 43 obs )  5.2Msz ( 13 obs )
   ANDREANOF ISLANDS, ALEUTIAN IS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 27C
   Centroid Location:
   Origin Time        04:30:  4.8 0.4
   Lat 52.49N 0.06 Lon 174.62W 0.06
   Dep  15.0 Fix Half-duration  1.9
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  1.33  Plg=11  Azm= 29
     N       0.37      68      262
     P      -1.70      19      114
```

Best Double Couple:Mo=1.5*10**24
NP1:Strike=156 Dip=69 Slip= -6
NP2: 248 85 -159

29 09 55 39.28 15.168N 96.314E 17km
5.8mb (41 obs.) 5.1Msz (3 obs.)
SOUTH BURMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 09:55:41.4 0.3
Lat 15.45N 0.05 Lon 96.12E 0.06
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.24 Plg=29 Azm=143
N 0.06 4 51
P -2.30 61 314
Best Double Couple:Mo=2.3*10**24
NP1:Strike=242 Dip=17 Slip= -78
NP2: 58 74 -94

29 11 57 42.77 28.024S 177.957W 10km
5.4mb (29 obs.) 6.1Msz (18 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 11:57:54.0 0.2
Lat 27.75S 0.02 Lon 178.28W 0.02
Dep 15.0 FIX Half-duration 4.4
Principal Axes:
Scale 10**25 D-CM
T Val= 1.96 Plg= 0 Azm=309
N -0.38 89 212
P -1.59 1 39
Best Double Couple:Mo=1.8*10**25
NP1:Strike= 84 Dip=89 Slip= 0
NP2: 174 90 -179

29 14 09 04.76 28.064S 178.187W 21km
5.4mb (11 obs.) 5.2Msz (6 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location:
Origin Time 14:09:13.1 1.2
Lat 28.02S 0.07 Lon 178.62W 0.10
Dep 33.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.98 Plg=12 Azm=139
N -1.81 31 227
P -1.97 57 22
Best Double Couple:Mo=2.5*10**24
NP1:Strike=187 Dip=43 Slip=-139
NP2: 64 63 -55

29 15 00 13.99 28.002S 177.873W 10km
5.3mb (12 obs.) 5.1Msz (6 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 15.00.21.7 0.7
Lat 28.09S 0.05 Lon 178.21W 0.06
Dep 15.0 BDY Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 4.50 Plg=13 Azm=115
N -1.29 24 211
P -3.21 62 359
Best Double Couple:Mo=3.9*10**24
NP1:Strike=178 Dip=38 Slip=-131
NP2: 44 62 -63

29 20 11 50.45 6.766N 73.389W 168km
5.3mb (72 obs.)
NORTHERN COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 20.11.56.4 0.3
Lat 7.15N 0.04 Lon 73.14W 0.03
Dep 160.1 1.5 Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Val= 3.54 Plg=40 Azm=107
N 2.29 44 324
P -5.83 19 214
Best Double Couple:Mo=4.7*10**24
NP1:Strike=259 Dip=46 Slip= 18
NP2: 156 77 135

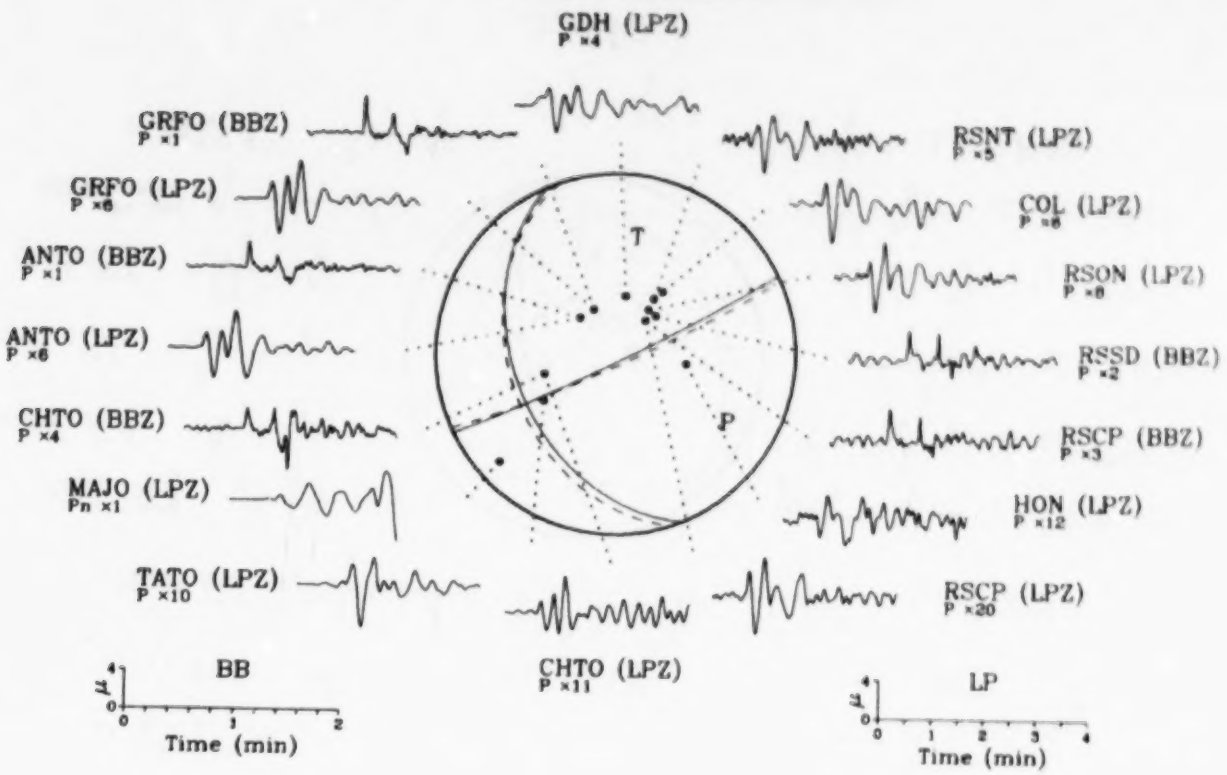
29 21 47 59.67 5.336S 29.539E 20km
5.2mb (37 obs.) 5.4Msz (12 obs.)
LAKE TANGANYIKA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centroid Location:
Origin Time 21:48 9.9 0.4
Lat 4.96S 0.05 Lon 29.48E 0.03
Dep 29.0 BDY Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 5.68 Plg=31 Azm=273
N 0.98 18 15
P -6.75 53 130
Best Double Couple:Mo=5.7*10**24
NP1:Strike=318 Dip=22 Slip=-148
NP2: 198 79 -71

30 06 23 46.95 51.259N 176.167W 33km
5.1mb (46 obs.) 4.7Msz (9 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 06.23.51.9 0.7
Lat 51.57N 0.07 Lon 176.23W 0.12
Dep 17.4 3.5 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 12.82 Plg=63 Azm=330
N 0.16 0 61
P -12.97 27 151
Best Double Couple:Mo=1.3*10**24
NP1:Strike=241 Dip=18 Slip= 91
NP2: 61 72 90

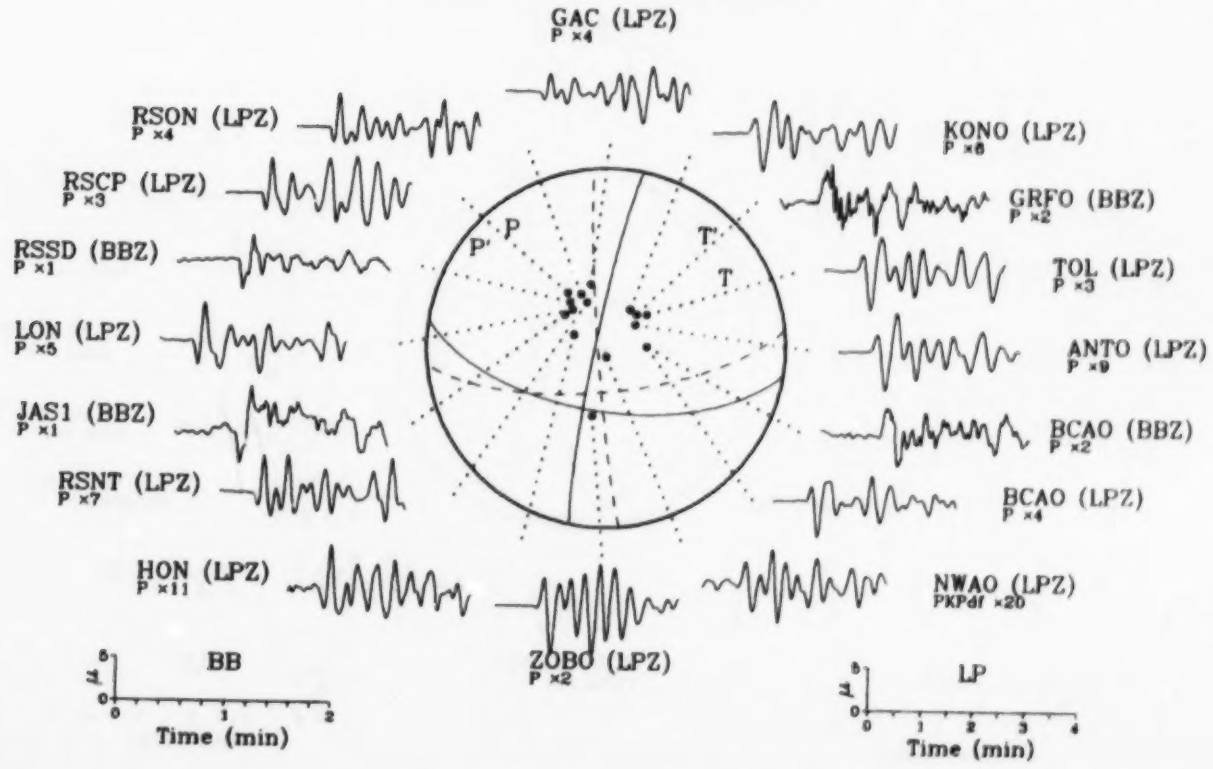
30 22 52 12.45 11.254N 86.035W 64km
5.4mb (63 obs.)
NEAR COAST OF NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 22:52:13.1 0.3
Lat 11.04N 0.04 Lon 86.94W 0.04
Dep 44.7 2.0 Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM
T Val= 7.19 Plg=70 Azm= 15
N 2.84 6 121
P -10.03 19 213
Best Double Couple:Mo=8.6*10**24
NP1:Strike=313 Dip=26 Slip= 103
NP2: 118 65 84

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrove and William H. Schmieder

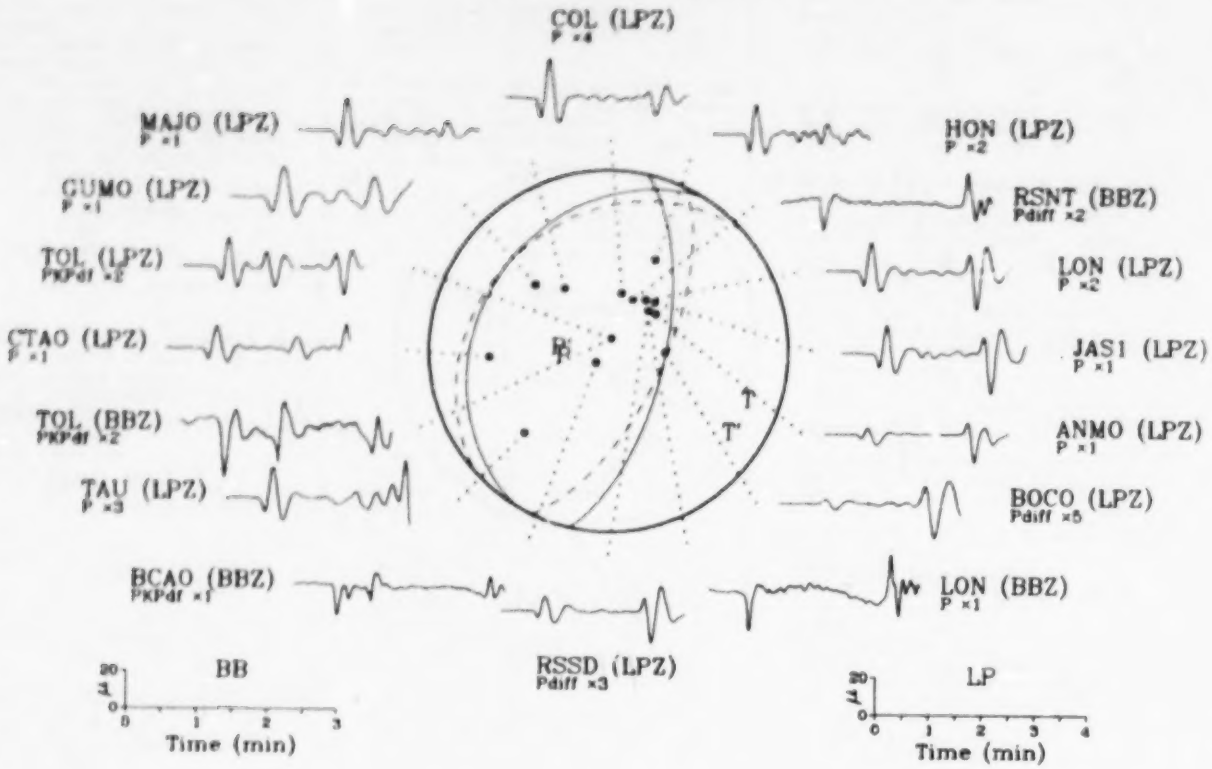
08 June 1986 11:02:25.87
Kuril Islands



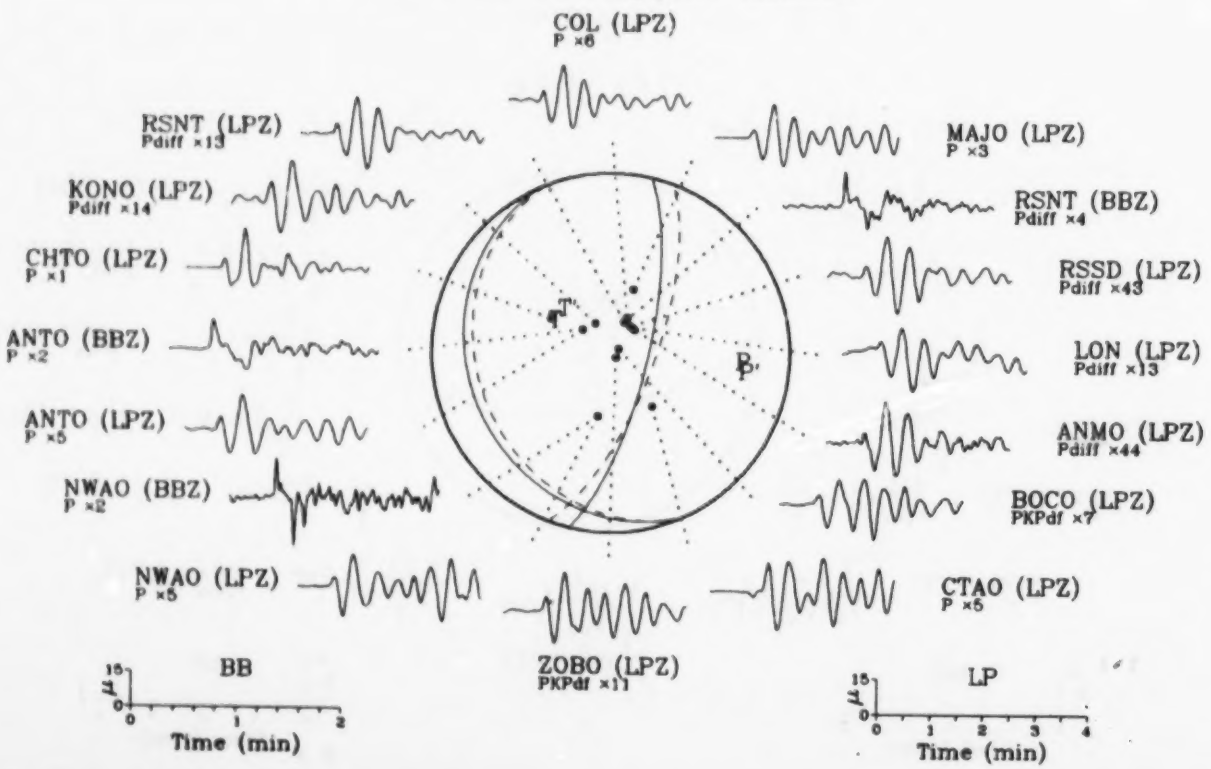
11 June 1986 13:48:01.39
Near Coast of Venezuela



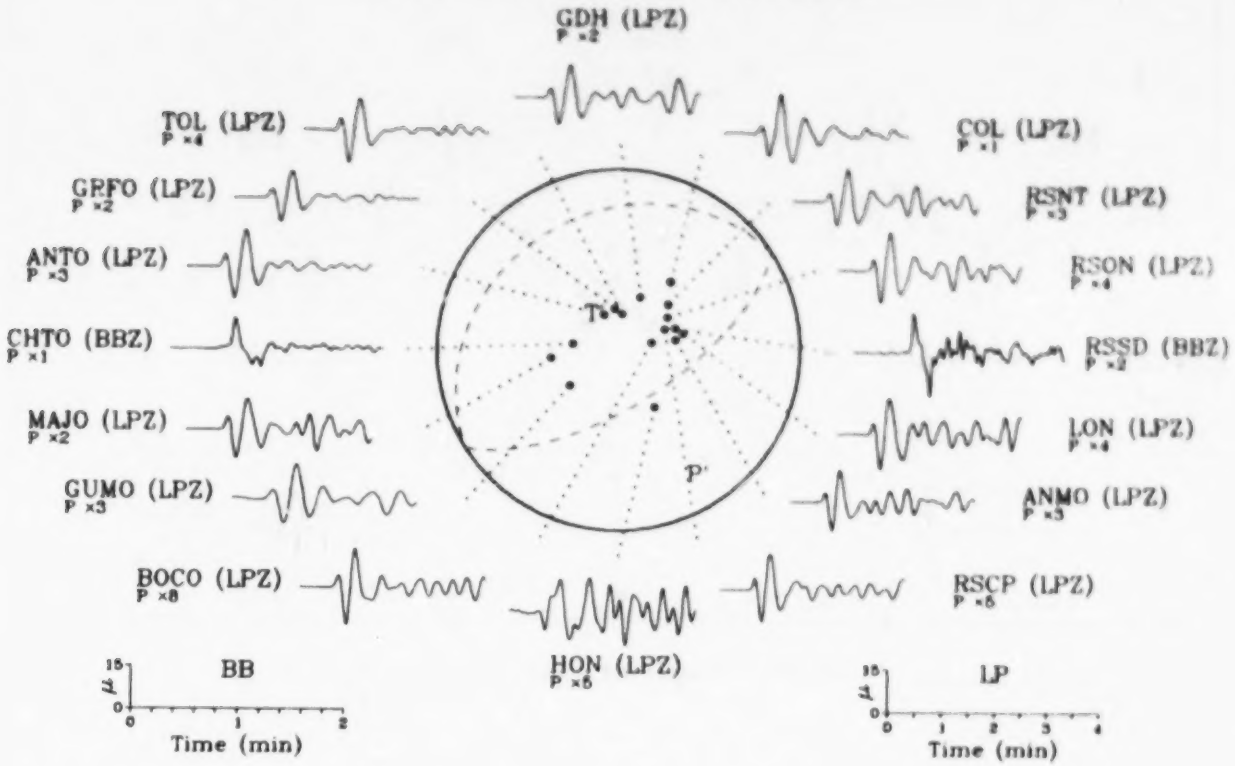
16 June 1986 10:48:25.78
South of Fiji Islands



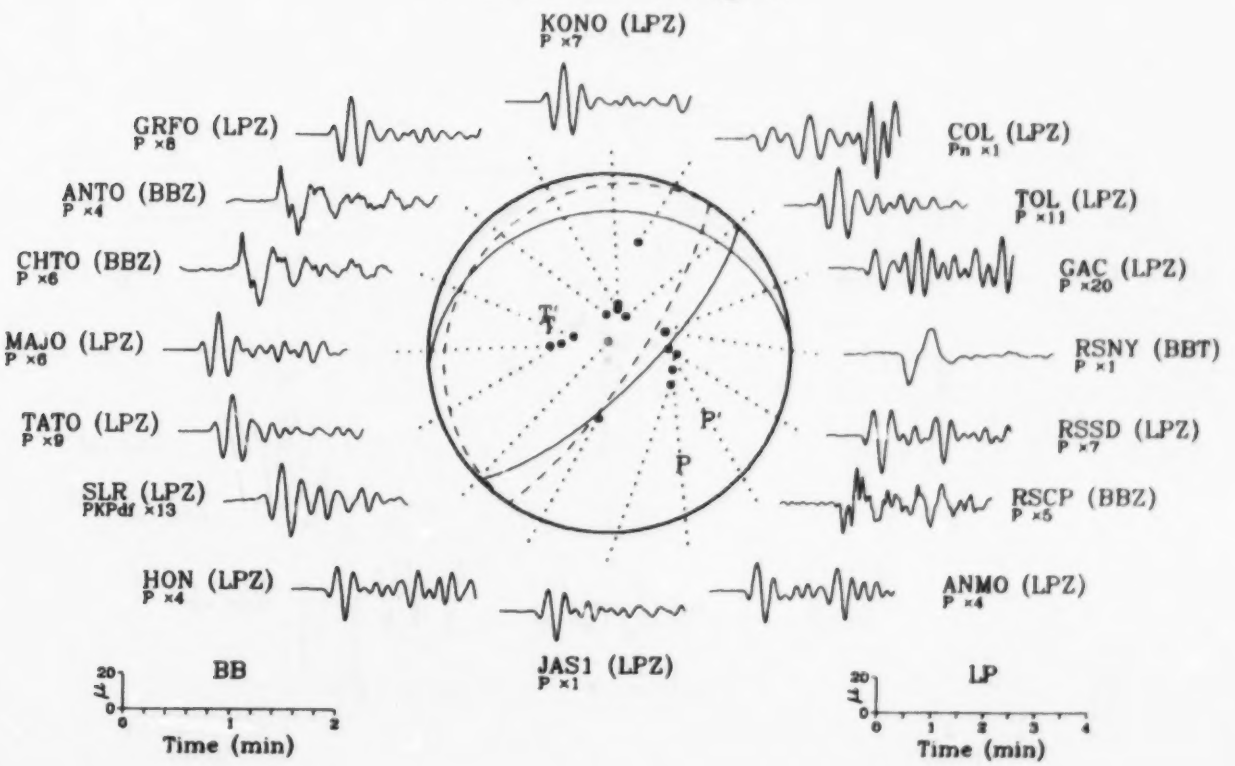
17 June 1986 18:13:11.55
Mindanao, Philippine Islands



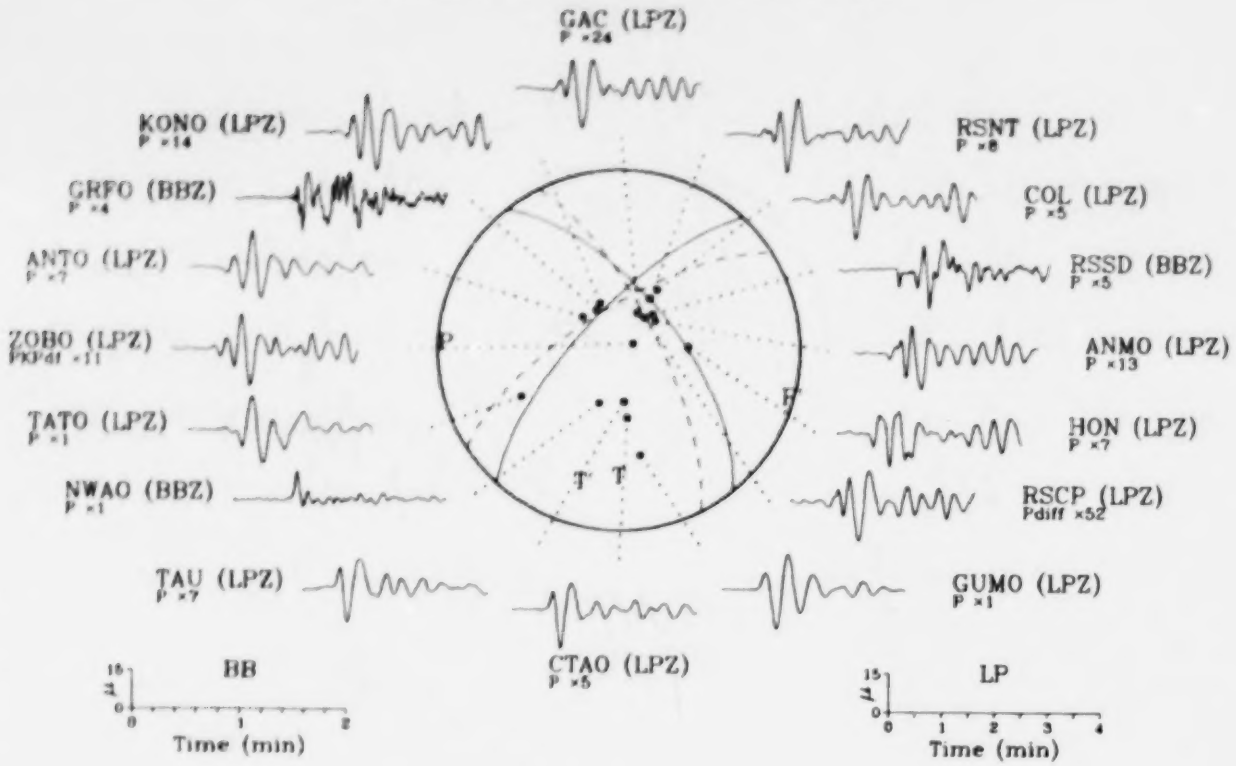
18 June 1986 08:05:15.45
Andreanof Islands, Aleutian Is.



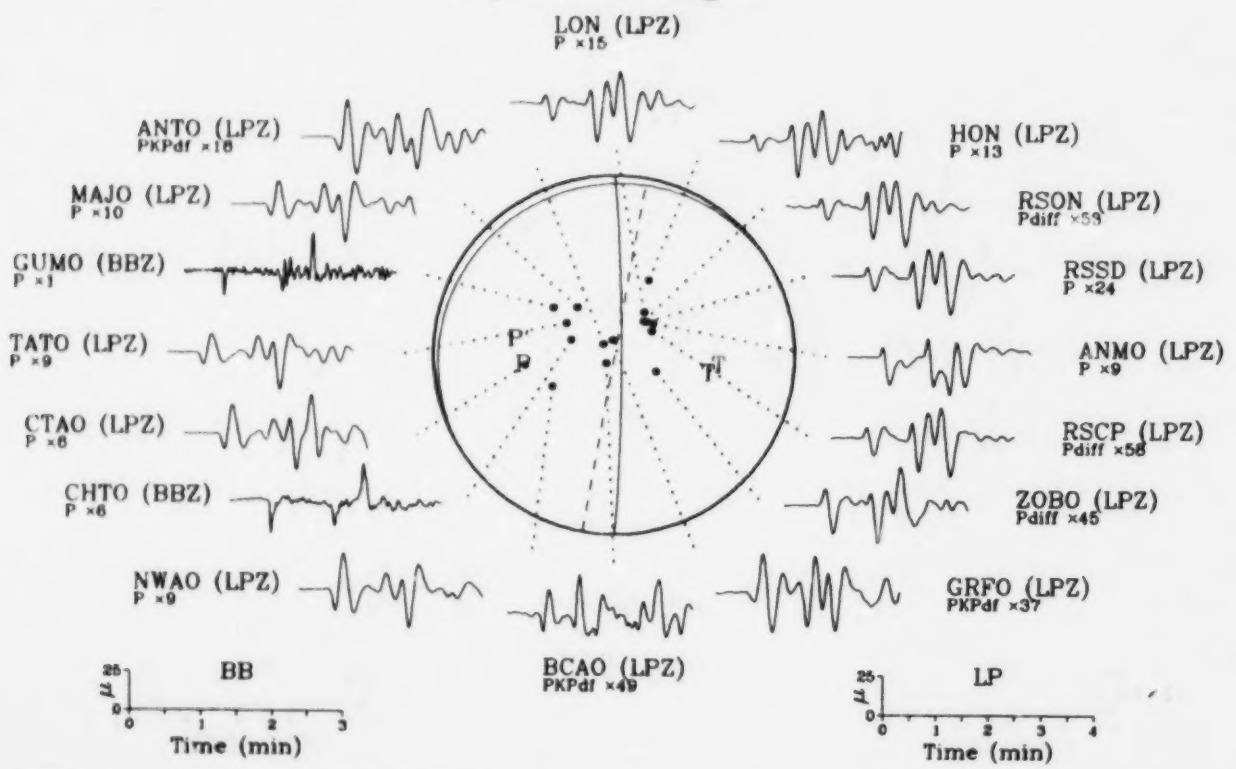
19 June 1986 09:09:09.21
Kodiak Island Region

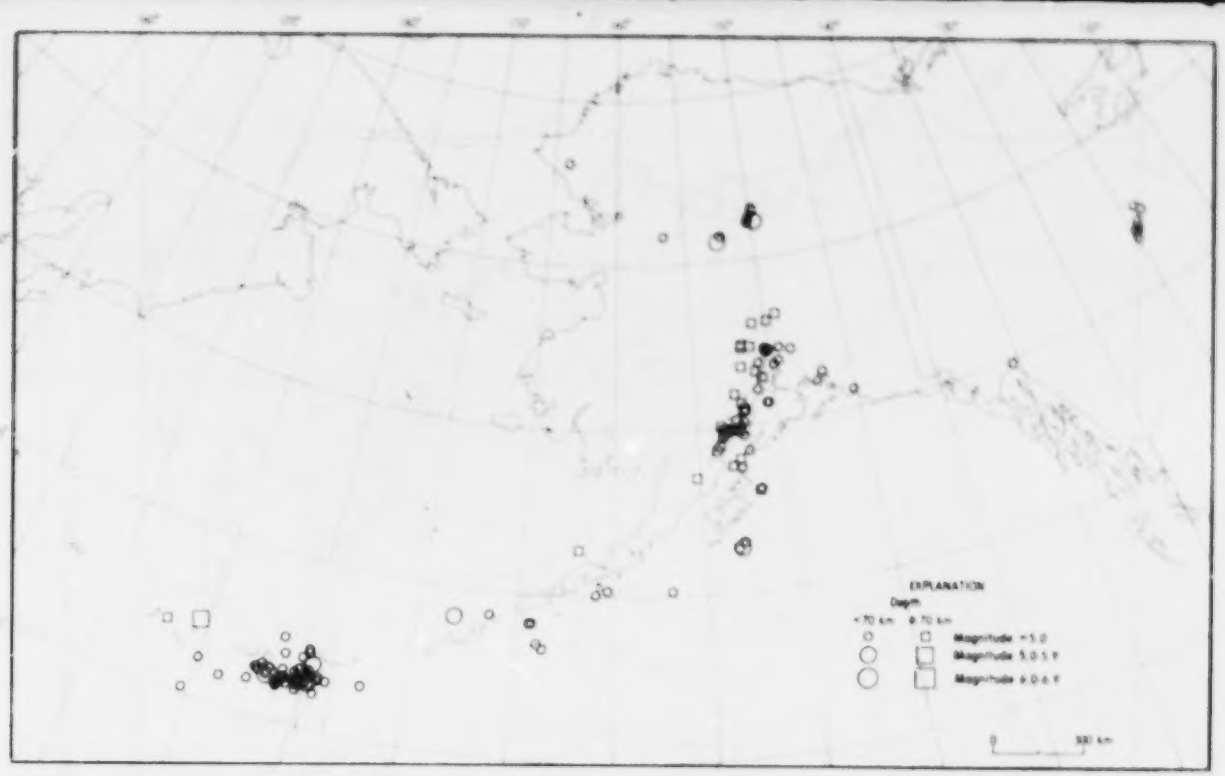


24 June 1986 02:53:11.25
Near East Coast of Honshu, Japan



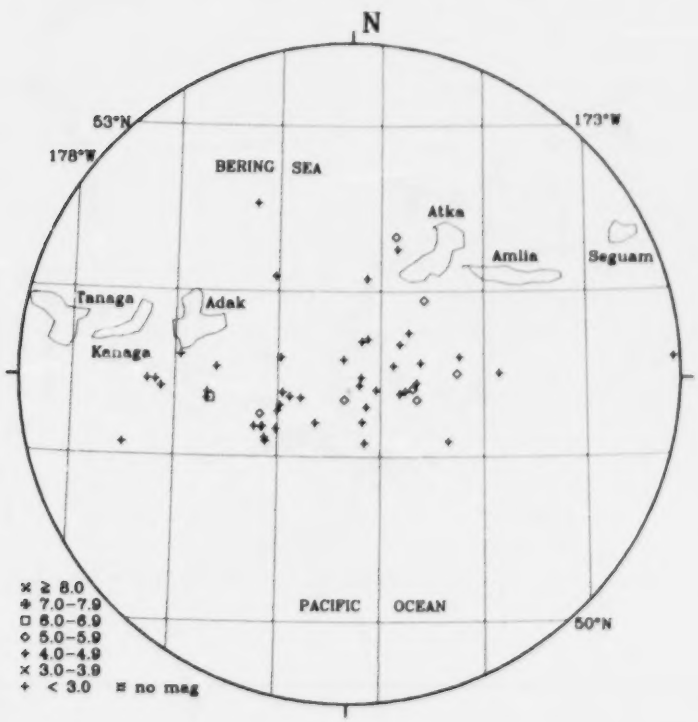
28 June 1986 05:03:47.47
Fiji Islands Region

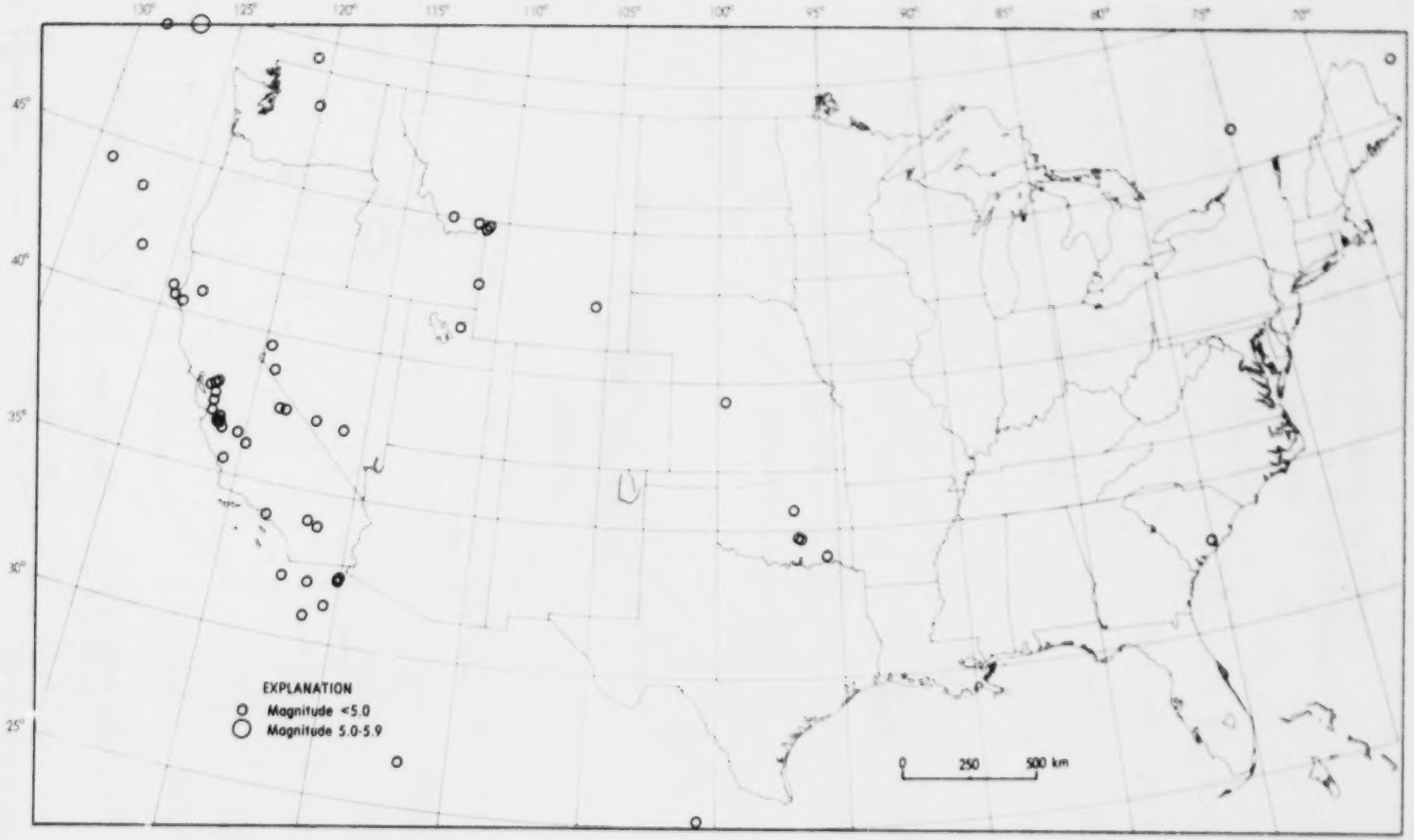




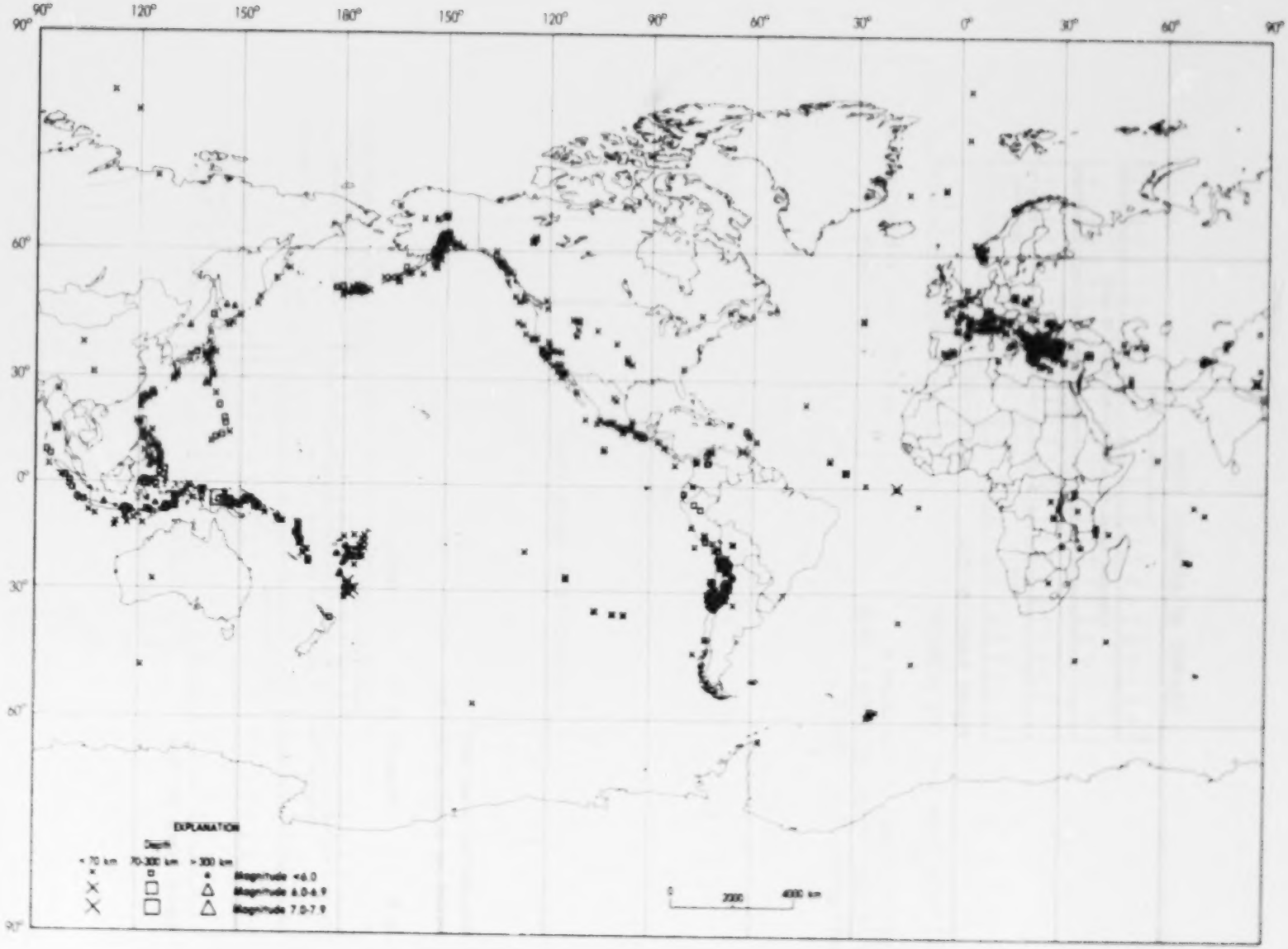
Earthquake epicenters in Alaska and adjacent regions for June, 1986 (C. Stover)

Earthquake Epicenters in the Andreanof Islands, Alaska, June 1986





Earthquake epicenters in the conterminous United States and adjacent regions for June, 1986 (C. Stover).



Earthquakes located in June, 1986 (C. Stover).

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K E Y	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Mwr	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
e	01	00	49	07.1	15.564	S	172.452	W	33	N	5.4	5.7	1.1	144	SAMOA ISLANDS REGION. Ms 5.8 (BRK).
	01	00	58	46.0	63.318	N	149.736	W	110	?			0.2	9	CENTRAL ALASKA
	01	01	03	32.6?	15.57	S	172.95	W	33	N	4.4		1.2	19	SAMOA ISLANDS REGION
	01	01	06	46.8	15.812	S	172.718	W	33	N	5.4	5.7	1.1	138	SAMOA ISLANDS REGION
	01	02	17	01.2?	15.64	S	172.48	W	33	N	4.3		1.0	7	SAMOA ISLANDS REGION
	01	03	38	27.1?	59.38	N	6.60	E	5	G			1.5	5	SOUTHERN NORWAY. MD 2.2 (BER).
	01	04	32	10.6	6.007	N	123.953	E	558		5.2		0.8	51	MINDANAO, PHILIPPINE ISLANDS
	01	05	10	15.7	15.636	S	172.846	W	33	N	5.1	5.1	1.1	105	SAMOA ISLANDS REGION. Ms 5.2 (BRK).
	01	05	11	13.7•	52.468	S	12.912	E	10	G	5.0		1.2	13	SOUTHWEST OF AFRICA
	01	05	37	06.4&	60.135	N	152.586	W	93					27	SOUTHERN ALASKA. <AGS-P>.
e	01	06	03	09.5	4.758	S	127.989	E	33	N	5.6	5.5	1.3	103	BANDA SEA
	01	06	38	19.4	9.989	S	118.953	E	33	N	4.1		1.3	12	SUMBAWA ISLAND REGION
e	01	07	32	54.0	3.236	S	148.498	E	10	G	5.3	5.6	1.2	181	BISMARCK SEA. Ms 5.5 (BRK).
	01	08	25	40.8%	39.415	N	28.345	E	10	G			1.1	10	TURKEY
e	01	08	40	01.1	3.213	S	148.527	E	10	G	5.4	5.5	1.5	81	BISMARCK SEA
	01	08	42	14.0&	40.385	N	127.448	W	5	G				19	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK).
	01	08	56	40.8•	3.178	S	148.835	E	10	G	4.5		1.5	7	BISMARCK SEA
	01	09	17	16.6	3.123	S	148.684	E	10	G	4.2		0.7	8	BISMARCK SEA
	01	10	55	36.5%	39.913	N	28.820	E	10	G			0.9	5	TURKEY
	01	12	31	00.1%	38.536	N	4.113	W	0	G	1.0		1.0	5	SPAIN. Probable explosion.
	01	12	40	17.2•	5.539	S	29.028	E	33	N			1.4	9	LAKE TANGANYIKA REGION. MG 4.1 (LSZ).
	01	13	09	36.6•	14.313	N	92.028	W	10	G	4.7		1.0	29	NEAR COAST OF CHIAPAS, MEXICO
	01	13	54	11.4	36.988	N	140.814	E	41		4.3		0.8	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Utsunomiya and Onahama.
	01	19	26	42.6&	61.597	N	149.784	W	43					40	SOUTHERN ALASKA. <AGS-P>. ML 3.7 (PWR). Felt (III) at Anchorage and Eagle River. Felt (II) at Palmer.
	01	20	17	50.9	44.591	N	9.873	E	16				1.1	30	NORTHERN ITALY. ML 3.2 (LDG), 3.1 (TRI).
	01	20	31	00.4?	46.04	N	3.06	E	10	G			0.3	5	FRANCE. ML 1.9 (LDG).
	01	21	00	43.6?	4.54	S	130.98	E	33	N	3.4		1.1	6	BANDA SEA
	01	21	31	59.0	37.517	N	121.660	W	5	G			0.8	11	CENTRAL CALIFORNIA. ML 2.9 (BRK).
	01	22	14	01.3•	13.989	N	91.420	W	72		4.8		1.3	21	NEAR COAST OF GUATEMALA
	01	23	32	48.5•	6.273	S	145.859	E	33	N	3.2		0.9	5	PAPUA NEW GUINEA
	01	23	43	08.8•	72.534	N	2.212	E	10	G			0.6	5	NORWEGIAN SEA
	01	23	54	09.7	47.549	N	151.455	E	157	D	4.8		1.8	72	KURIL ISLANDS
e	02	00	15	22.1•	28.222	N	140.723	E	33	N	4.6		0.7	10	BONIN ISLANDS REGION
	02	01	37	33.6	0.679	S	99.966	E	90		5.3		0.9	124	SOUTHERN SUMATERA
	02	02	09	58.9	25.141	N	96.746	E	33	N	4.4		0.9	23	BURMA
	02	03	56	57.4?	38.14	N	119.14	E	33	N	4.4		1.3	8	NORTHEASTERN CHINA. ML 4.4 (BJI).
e	02	04	16	57.7	22.038	S	179.534	W	598	D	5.6		0.9	246	SOUTH OF FIJI ISLANDS. mb 6.0 (BRK).
	02	04	35	45.8•	38.370	S	15.993	W	10	G	4.8		0.8	25	TRISTAN DA CUNHA REGION
	02	08	10	21.1&	36.620	N	116.320	W	6	G				14	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	02	08	11	03.1&	33.990	N	117.230	W	6	G				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	02	08	56	50.2%	31.581	S	68.107	W	10	G			1.0	6	SAN JUAN PROVINCE, ARGENTINA
	02	09	43	15.0•	41.550	N	25.284	E	10	G			1.3	8	GREECE-BULGARIA BORDER REGION
	02	10	11	40.8?	16.29	S	28.77	E	10	G			0.5	4	ZAMBIA. MG 3.6 (BUL).
e	02	10	20	25.3	7.807	S	150.640	E	29	D	5.5	4.6	1.1	106	NEW BRITAIN REGION
	02	11	59	42.3	45.590	N	16.847	E	10	G			1.4	9	CZECHOSLOVAKIA. ML 3.1 (KBA).
	02	12	42	32.6?	32 36	S	71.45	W	33	N			0.8	7	NEAR COAST OF CENTRAL CHILE
e	02	12	53	08.1	59.550	S	26.164	W	53	D	5.6		1.0	67	SOUTH SANDWICH ISLANDS REGION
	02	13	23	29.8•	44.167	N	149.166	E	47	D	4.8	4.9	1.0	43	KURIL ISLANDS
	02	13	26	34.7?	44.89	N	148.74	E	33	N	4.8		0.8	14	KURIL ISLANDS
	02	13	30	21.6•	31.339	S	68.088	W	10	G			1.4	8	SAN JUAN PROVINCE, ARGENTINA
	02	14	47	39.5•	55.368	S	33.018	W	10	G	4.7		0.2	6	SOUTH GEORGIA ISLAND REGION
e	02	20	45	50.5	26.775	S	114.283	W	10	G	5.6	5.5	1.1	134	EASTER ISLAND REGION. Ms 6.2 (BRK).
	02	22	06	42.4	50.258	N	12.393	E	10	G			0.5	6	GERMANY
	02	22	57	02.0%	40.355	N	27.685	E	10	G			0.4	7	TURKEY
e	03	00	12	14.0	59.284	S	26.934	W	33	N	5.4	4.9	1.2	47	SOUTH SANDWICH ISLANDS REGION
	03	00	41	10.6•	18.378	S	177.989	W	448	•	4.6		0.9	22	FIJI ISLANDS REGION

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	03	00	46	00.6•	18.473	S	178.111	W	650 •		5.0		1.0	31	FIJI ISLANDS REGION
	03	01	01	45.1	14.487	N	146.687	E	56 •		5.3	4.6	1.0	87	MARIANA ISLANDS
	03	01	01	57.9•	5.477	S	149.214	E	33	N	3.8		1.3	7	EAST PAPUA NEW GUINEA REGION
	03	02	51	07.8•	7.885	N	127.183	E	33	N	4.4		0.6	6	PHILIPPINE ISLANDS REGION
	03	03	17	42.7&	59.300	N	151.878	W	93					23	KENAI PENINSULA, ALASKA. <AGS-P>.
	03	04	30	01.8•	5.551	N	123.693	E	531 •		4.3		1.4	18	MINDANAO, PHILIPPINE ISLANDS
	03	04	30	21.9&	43.896	N	6.303	E	10	G			0.6	5	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
	03	04	56	48.4	2.309	N	126.722	E	33	N	5.0		1.1	26	MOLUCCA PASSAGE
	03	05	00	34.7	41.462	N	141.984	E	74		4.7		1.0	35	HOKKAIDO, JAPAN REGION
	03	05	44	47.2&	62.290	N	152.093	W	112					17	CENTRAL ALASKA. <AGS-P>.
	03	06	43	35.3	6.727	S	155.844	E	44	D	4.6		0.9	27	SOLOMON ISLANDS
	03	08	33	28.0•	21.639	S	174.864	W	33	N	4.8	4.6	1.2	29	TONGA ISLANDS
	03	08	52	29.3•	51.242	N	15.652	E	5	G			1.2	12	POLAND. ML 4.3 (GDF), 3.8 (VKA), 3.5 (KBA).
	03	09	21	29.7•	15.934	S	172.731	W	33	N	4.8	4.6	1.2	28	SAMOA ISLANDS REGION
	03	09	23	51.3•	6.523	S	130.383	E	166	?	4.5		0.6	10	BANDA SEA
	03	11	41	29.0&	60.954	N	152.685	W	142					28	SOUTHERN ALASKA. <AGS-P>.
	03	11	42	31.7?	14.99	N	68.42	W	33	N			0.6	8	WINDWARD ISLANDS. ML 2.8 (FDF).
	03	11	47	33.2?	43.91	N	84.78	E	33	N	4.4		1.0	8	NORTHERN XINJIANG, CHINA
	03	12	23	58.0•	2.418	N	98.849	E	161 •		3.7		1.3	7	NORTHERN SUMATERA
	03	14	11	11.0	65.728	N	152.313	W	33	N			0.7	9	ALASKA. ML 3.4 (PWR).
	03	14	54	27.2•	36.529	N	70.956	E	246	D	4.6		0.9	14	HINDU KUSH REGION
	03	15	05	09	27	18.00	S	100.25	W	33	N			0.7	6	GUERRERO, MEXICO
	03	15	37	36.0•	29.794	S	27.187	E	5	G	4.7		1.2	7	REPUBLIC OF SOUTH AFRICA
	03	17	33	30.5	51.567	N	179.938	W	33	N	5.0		0.9	25	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PWR). Felt on Adak and Atka.
	03	21	20	29.4&	47.288	N	1.188	E	10	G			1.4	11	FRANCE. ML 2.3 (LDG).
	03	23	18	17.9•	5.018	S	139.395	E	33	N	3.5		0.9	9	WEST IRIAN
	03	23	28	04.6	35.841	N	139.381	E	152		4.7		1.1	91	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Kumagaya, Kofu, Utsunomiya, Ajiro and on Oshima; (I JMA) at Tokyo, Mobaoshi, Mito, Yokohama and Tateyama.
	04	01	20	38.4&	60.488	N	147.364	W	19					36	SOUTHERN ALASKA. <AGS-P>.
	04	02	42	24.1•	31.925	S	68.383	W	10	G			0.7	6	SAN JUAN PROVINCE, ARGENTINA
	04	05	20	31.0?	23.61	S	179.18	E	689	?	4.3		1.0	9	SOUTH OF FIJI ISLANDS
	04	05	58	48.1•	51.503	N	175.717	W	33	N	4.9		1.4	33	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PWR). Felt on Adak.
	04	06	13	54.8•	8.689	S	106.765	E	33	N	4.3		0.9	12	SOUTH OF JAVA
	04	06	20	39.4	44.526	N	9.851	E	10	G			1.2	26	NORTHERN ITALY. ML 3.2 (LDG).
	04	07	21	35.2&	39.469	N	28.391	E	10	G			0.9	6	TURKEY
	04	07	24	10.4&	40.691	N	29.917	E	10	G			1.1	9	TURKEY
	04	07	45	00.0&	61.071	N	151.357	W	63					42	SOUTHERN ALASKA. <AGS-P>.
	04	08	04	37.6	62.284	N	124.117	W	10	G	4.7	4.4	1.0	58	NORTHWEST TERRITORIES, CANADA
	04	09	23	14.5	32.397	S	70.118	W	105 •		4.5		1.1	19	CHILE-ARGENTINA BORDER REGION
	04	10	26	48.5?	33.11	S	72.94	W	10	G			0.7	8	OFF COAST OF CENTRAL CHILE
	04	11	20	22.7&	41.076	N	28.550	E	10	G			0.6	6	TURKEY
	04	12	20	03.1	20.772	S	178.654	W	626		5.1		1.0	60	FIJI ISLANDS REGION
	04	12	20	14.0•	42.690	N	24.188	E	10	G			1.4	5	BULGARIA
	04	13	21	10.1•	32.762	S	71.743	W	33	N			1.2	12	NEAR COAST OF CENTRAL CHILE
	04	13	44	48.5&	46.148	N	2.842	E	10	G			0.2	7	FRANCE. ML 2.3 (LDG).
	04	13	57	34.8•	5.387	S	145.177	E	33	N	3.8		1.3	7	EAST PAPUA NEW GUINEA REGION
	04	14	38	09.4•	10.841	N	42.613	W	10	G	4.9	4.8	1.2	21	NORTH ATLANTIC RIDGE
	04	15	04	10.2&	37.088	N	30.187	E	10	G			0.8	6	TURKEY
	04	15	23	46.9•	64.822	N	149.088	W	33	N			0.5	6	CENTRAL ALASKA. ML 3.1 (PWR).
	04	16	44	46.0•	46.310	N	13.164	E	10	G			1.2	8	AUSTRIA. ML 2.7 (KBA), MD 2.7 (TRI).
	04	19	36	52.0•	33.254	S	71.783	W	10	G			0.6	11	NEAR COAST OF CENTRAL CHILE
	04	19	55	34.7&	41.955	N	124.657	W	5	G				8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	04	21	33	47.7•	33.251	S	71.745	W	10	G			0.9	14	NEAR COAST OF CENTRAL CHILE
	04	21	37	20.5&	42.326	N	19.982	E	10	G			0.6	7	YUGOSLAVIA. MD 2.6 (TTG).
	04	22	18	52.3•	3.532	S	145.163	E	10	G	4.3		1.5	10	NEAR N COAST OF PAPUA NEW GUINEA
	04	22	46	09.1•	33.253	S	71.793	W	10	G			0.8	10	NEAR COAST OF CENTRAL CHILE
	04	23	51	34.6•	42.337	N	7.232	W	10	G			0.4	5	SPAIN. MG 3.5 (MDD). Felt (IV) in the Samos-Pueblo de Trives area.
	05	00	07	09.1•	21.100	S	67.767	W	33	N			1.5	7	CHILE-BOLIVIA BORDER REGION
	05	02	10	04.7	44.040	N	111.014	W	5	G			0.6	12	HEBGEN LAKE REGION. ML 3.8 (NEIS).
•	05	03	01	32.6	51.248	N	179.746	W	33	N	5.6	5.2	1.0	214	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PWR), Ms 5.1 (BRK).
	05	03	15	37.2?	51.47	N	179.96	E	33	N	4.2		1.7	11	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PWR).
	05	03	24	22.9&	35.080	N	119.090	W	10					7	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	05	04	53	52.2	63.053	N	150.426	W	119	?			0.4	9	CENTRAL ALASKA
	05	08	09	39.1•	33.278	S	71.760	W	10	G			0.8	12	NEAR COAST OF CENTRAL CHILE
	05	09	52	44.7	37.897	N	22.459	E	90		4.5		1.1	119	SOUTHERN GREECE. Felt on northern Peloponnisos.
	05	10	22	09.1	8.394	S	16.127	W	10	G	5.0		0.8	80	NORTH OF ASCENSION ISLAND
	05	10	54	53.1•	10.659	S	76.481	W	122 •		4.8		1.4	17	PERU
	05	11	44	27.1	24.684	N	125.019	E	39		4.7		0.8	24	SOUTHWESTERN RYUKYU ISLANDS. Felt (II JMA) on Miyako-jima.
	05	11	57	17.5&	57.134	N	154.892	W	93		4.4			54	KODIAK ISLAND REGION. <AGS-P>.
	05	13	57	46.6&	39.549	N	28.364	E	10	G			0.3	5	TURKEY
•	05	14	11	17.7	12.183	N	140.933	E	38 •		5.4	5.1	1.1	104	WEST CAROLINE ISLANDS
	05	14	11	59.8&	35.700	N	117.640	W	8					8	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	05	16	35	02.8	38.847	N	0.214	W	10	G			1.4	21	SPAIN. ML 3.8 (LDG). Felt (III) in the Jovea area.
	05	16	36	52.4•	9.888	N	72.916	W	33	N	4.8		1.4	6	VENEZUELA
	05	16	48	40.7	38.433	N	25.120	E	10	G			1.1	23	AEGEAN SEA. ML 3.7 (ATH).
	05	18	37	01.9&	40.741	N	30.138	E	5	G			1.5	7	TURKEY
	05	19	45	02.4•	4.448	S	143.984	E	114	?	4.2		1.4	9	PAPUA NEW GUINEA
•	05	19	57	38.6•	60.721	S	153.771	E	10	G	5.5	5.6	1.1	46	WEST OF MACQUARIE ISLAND
	05	21	13	30.8&	39.422	N	28.321	E	10	G			0.5	7	TURKEY
	05	21	19	58.8	57.281	S	25.869	W	33	N	5.5	5.2	1.1	76	SOUTH SANDWICH ISLANDS REGION
•	05	22	09	36.9	15.467	N	92.582	W	112	D	5.4		1.1	272	MEXICO-GUATEMALA BORDER REGION. Felt in southwestern Guatemala. Felt also at Tuxtla Gutierrez, Mexico.
	05	22	31	49.2&	59.987	N	141.844	W	16					22	SOUTHEASTERN ALASKA. <AGS-P>. ML 4.1 (PWR).
	05	23	24	10.6	33.325	S	70.647	W	89 •				0.4	13	CHILE-ARGENTINA BORDER REGION
	05	23	40	50.9•	32.394	S	177.686	W	33	N	4.7		1.1	12	SOUTH OF KERMADEC ISLANDS
	06	02	17	48.1•	8.353	S	122.825	E	33	N	4.6		0.8	9	FLORES SEA
	06	05	51	07.4•	29.558	S	70.817	W	33	N			1.4	13	CENTRAL CHILE

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															Las Vegas, Nevada, Lake Havasu City, Arizona and in northern Baja California, Mexico. Depth 8.5 km. from broadband displacement seismograms.
08	09	26	25.8&	33.970	N	116.620	W		6	G				1	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
08	09	27	10.7&	33.970	N	116.620	W		6	G				1	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS).
08	09	27	50.4%	15.760	N	60.757	W		33	N			0.7	10	LEEWARD ISLANDS. ML 3.3 (PAG).
08	09	30	23.6&	33.980	N	116.620	W		6	G				2	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS).
08	09	32	28.8&	33.980	N	116.620	W		6	G				2	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
08	09	34	16.2&	33.970	N	116.620	W		6	G				2	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
08	09	37	53.6&	34.010	N	116.600	W		2					2	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS).
08	09	39	10.3&	33.980	N	116.570	W		13					3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
08	09	42	56.6&	33.980	N	116.650	W		6	G				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
08	09	44	18.8&	33.970	N	116.620	W		6	G				2	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
08	09	46	15.3&	34.030	N	116.640	W		10					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
08	09	49	49.7&	33.990	N	116.560	W		8					16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
08	09	51	34.3&	33.980	N	116.580	W		3					3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
08	09	53	24.0&	33.980	N	116.560	W		10					3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
08	10	04	52.9&	33.980	N	116.580	W		5					15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
08	10	07	45.5&	34.030	N	116.670	W		10					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
08	10	09	02.9&	33.970	N	116.580	W		8		4.3			37	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS), 4.2 (BRK).
08	10	11	00.0&	34.020	N	116.670	W		3					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
08	10	12	33.5&	33.970	N	116.620	W		6	G				1	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
08	10	14	41.8&	34.030	N	116.650	W		11					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
08	10	22	38.0	34.051	N	116.665	W		10	G	4.2		0.8	33	SOUTHERN CALIFORNIA. ML 4.4 (PAS), 4.4 (BRK).
08	10	27	43.7&	34.030	N	116.680	W		10					2	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS).
08	10	34	14.5&	34.020	N	116.680	W		9					16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
08	11	24	58.4&	34.020	N	116.620	W		10					14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
08	11	44	10.6%	40.864	N	28.312	E		10	G			0.8	5	TURKEY
08	11	50	41.1&	33.980	N	116.620	W		6	G				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
08	12	03	38.2&	33.970	N	116.570	W		7					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
08	12	32	22.0•	44.499	N	9.689	E		10	G			1.3	18	NORTHERN ITALY. ML 3.0 (LDG), 2.5 (KBA).
08	13	12	32.7	42.162	N	25.492	E		10	G			1.3	7	BULGARIA
08	13	55	34.6&	34.030	N	116.630	W		12					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
08	14	13	26.2&	33.970	N	116.620	W		6	G				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
08	14	48	32.6&	33.970	N	116.620	W		6	G				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
08	15	42	22.3&	34.010	N	116.610	W		10					13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
08	15	55	18.7	34.057	N	116.646	W		10	G			0.7	12	SOUTHERN CALIFORNIA. ML 4.0 (PAS).
08	16	15	07.3	37.794	N	20.919	E		49		4.4		1.1	83	IONIAN SEA
08	16	17	56.5	35.149	N	139.029	E		34		4.4		0.7	22	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Ajiro, Tokyo and on Oshima; (I JMA) at Yokohama, Kofu and Tateyama. Also felt at Mishima.
08	16	34	18.0?	45.65	N	25.86	E		161	?			1.3	10	ROMANIA
08	16	39	44.1&	34.000	N	116.590	W		12					15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS).
08	16	45	50.2	41.977	N	19.131	E		10				0.8	14	ALBANIA. ML 3.1 (TTG). Felt (IV) at Ulcinj, Yugoslavia.
08	18	04	14.4&	33.970	N	116.550	W		10					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
08	18	20	07.8&	34.030	N	116.650	W		9					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
08	18	20	48.0•	35.136	S	106.537	W		10	G	4.8		1.0	20	EASTER ISLAND CORDILLERA
08	18	47	27.3&	59.744	N	153.414	W		128					31	SOUTHERN ALASKA. <AGS-P>.
08	18	55	56.5&	33.980	N	116.570	W		8					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
08	19	32	20.6%	17.930	N	99.185	W		10	G			1.3	5	GUERRERO, MEXICO
08	19	33	28.3?	7.83	S	129.10	E		146	?			1.4	9	BANDA SEA
08	19	35	36.4?	37.28	N	6.78	E		10	G			0.9	8	WESTERN MEDITERRANEAN SEA
08	19	36	20.1&	34.010	N	116.620	W		11					17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS).
08	19	48	29.9•	29.949	S	71.816	W		10	G			1.0	11	NEAR COAST OF CENTRAL CHILE. Felt (II) in the La Serena-Coquimbo area.
08	20	34	26.3	43.818	N	146.397	E		80		5.0		0.9	123	KURIL ISLANDS. Felt (III) on Shikotan. Felt (II JMA) at Nemuro and Kushiro; (I JMA) at Urakawa, Hokkaido.
08	21	53	03.1&	34.010	N	116.590	W		11					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
08	22	25	29.6?	27.48	S	65.25	W		33	N			0.4	5	TUCUMAN PROVINCE, ARGENTINA
08	23	18	35.5?	3.70	N	125.54	E		33	N	4.5		0.8	9	TALAUD ISLANDS
08	23	24	05.5	8.030	S	123.059	E		233	•	4.5		0.6	14	FLORES ISLAND REGION
09	00	12	32.1&	33.990	N	116.570	W		6		4.2			30	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.4 (PAS), 4.1 (BRK).
09	00	24	35.2•	4.842	S	142.294	E		118	•	4.6		1.3	14	PAPUA NEW GUINEA
09	03	08	12.6?	24.76	S	179.66	W		536	?	4.7		0.6	11	SOUTH OF FIJI ISLANDS
09	03	36	11.6?	16.46	S	179.41	W		615	•			0.5	9	FIJI ISLANDS REGION
09	03	53	39.8	51.400	N	175.152	W		33	N	4.5		1.0	24	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.8 (PMR).
09	04	52	47.3%	15.827	N	60.834	W		33	N			0.5	10	LEEWARD ISLANDS. ML 2.8 (FDF).
09	05	26	00.8	21.906	S	68.899	W		175	•	4.7		1.3	13	CHILE-BOLIVIA BORDER REGION
09	06	11	10.8?	17.69	N	105.55	W		10	G	4.6		1.3	21	OFF COAST OF JALISCO, MEXICO
09	07	37	36.8?	8.77	S	122.70	E		136	?	4.1		1.5	6	FLORES ISLAND REGION
09	09	36	37.0&	33.960	N	116.520	W		6					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
09	09	41	21.0&	33.970	N	116.570	W		10					20	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
09	09	54	11.0•	6.303	S	146.954	E		113	•	4.8		0.8	13	EAST PAPUA NEW GUINEA REGION
09	11	03	30.9?	8.81	S	29.64	E		10	G			1.6	5	LAKE TANGANYIKA REGION
09	11	23	43.4•	4.867	N	126.555	E		82	•	4.8		1.1	12	TALAUD ISLANDS
09	11	32	21.1&	33.980	N	116.570	W		10					20	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
09	12	28	09.1&	19.552	N	155.999	W		20		4.2			60	HAWAII. <HVO-P>. ML 4.6 (HVO). Felt (IV) at Captain Cook, Keaiakekua and Napoopoo. Felt (III) at Seaview and (II) at Pahala.
09	12	53	59.7&	37.565	N	118.435	W		4					10	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.4 (REN). Felt at Chalfant, California.
09	13	28	31.4?	59.36	N	6.54	E		5	G			1.1	5	SOUTHERN NORWAY. MD 2.2 (BER).
09	13	58	57.8	56.010	S	27.525	W		134	D	5.1		0.7	20	SOUTH SANDWICH ISLANDS REGION
e 09	17	10	22.8	51.987	N	176.239	W		50	D	5.2	4.9	1.0	190	ANDREANOF ISLANDS, ALEUTIAN IS. Ms 4.9 (BRK). Felt (IV) on Adak and Atka.
09	17	15	13.3•	21.118	S	67.731	W		33	N			1.8	7	CHILE-BOLIVIA BORDER REGION
09	18	41	38.5%	40.837	N	28.313	E		10	G			0.2	6	TURKEY
09	19	17	02.5?	40.26	N	30.71	E		10	G			1.4	6	TURKEY
09	19	24	07.2	27.660	S	67.728	W		147		4.4		1.2	30	CATAMARCA PROVINCE, ARGENTINA
09	20	09	38.3•	14.082	S	167.129	E		33	N	4.7		1.3	29	VANUATU ISLANDS
e 09	20	24	51.9	51.683	N	176.868	W		57		4.9		0.7	98	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak and Atka.
09	22	19	52.2•	17.285	N	97.853	W		69		4.3		1.1	23	OAXACA, MEXICO
09	22	46	08.3	47.638	N	5.921	E		11				1.0	23	FRANCE. ML 3.2 (LDG).

r	09	23	10	53.1	1.984	N	126.525	E	28	G	6.2 6.8	1.1	352	MOLUCCA PASSAGE. Ms 6.4 (BRk). Felt (IV) at Manado, Sulawesi. Depth from broadband displacement seismograms.
	10	00	52	42.6	39.410	N	28.393	E	10	G		0.8	13	TURKEY
	10	01	03	52.1•	1.725	N	126.332	E	33	N	4.4	1.5	10	MOLUCCA PASSAGE
	10	01	15	29.9	27.580	N	101.498	E	33	N	4.8	1.1	48	SICHUAN PROVINCE, CHINA
	10	01	29	35.8	1.792	N	126.387	E	33	N	5.6 5.9	1.3	182	MOLUCCA PASSAGE
	10	02	10	45.0	36.233	N	140.589	E	84		4.5	1.1	50	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Onahama and Mito; (II JMA) at Utsunomiya and on Oshima; (I JMA) in the Ajiro-Choshi-Sendai area.
	10	02	43	53.4•	38.356	N	25.174	E	10	G		0.6	8	AEGEAN SEA. ML 3.8 (ATH).
	10	02	53	18.5	1.889	N	126.478	E	33	N	5.0	1.2	48	MOLUCCA PASSAGE
	10	03	37	13.7	1.825	N	126.548	E	33	N	4.9	1.1	33	MOLUCCA PASSAGE
	10	04	01	28.8	36.827	N	121.598	W	5	G		0.6	12	CENTRAL CALIFORNIA. ML 2.9 (BRK).
	10	04	24	42.7&	40.688	N	124.752	W	5	G			4	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	10	05	02	20.4•	5.515	S	29.019	E	10	G	5.0	1.5	6	LAKE TANGANYIKA REGION
	10	05	07	17.3•	5.453	N	74.154	W	5	G		0.9	5	COLOMBIA
	10	05	43	16.6	8.954	S	124.295	E	33	N	4.9	1.3	28	TIMOR
o	10	06	53	04.3	4.275	N	32.618	W	10	G	5.4 5.0	0.8	128	CENTRAL MID-ATLANTIC RIDGE
	10	07	10	44.3	1.876	N	126.560	E	33	N	5.0	1.5	26	MOLUCCA PASSAGE
	10	07	14	42.5•	58.883	S	25.344	W	33	N	4.8	1.1	14	SOUTH SANDWICH ISLANDS REGION
	10	07	49	25.4•	67.284	N	148.731	W	33	H		1.0	6	ALASKA. ML 3.1 (PWR).
	10	08	53	53.1%	40.101	N	29.305	E	10	G		0.3	7	TURKEY
	10	09	42	10.7&	33.980	N	116.630	W	2				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	10	09	43	16.3•	67.269	N	148.733	W	33	H		1.1	6	ALASKA. ML 3.0 (PWR).
	10	09	58	58.1?	3.95	N	32.77	W	10	G	4.5	1.0	8	CENTRAL MID-ATLANTIC RIDGE
	10	12	02	50.9&	33.960	N	116.680	W	11				17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt (V) at North Palm Springs, Palm Desert, Palm Springs and Whitewater.
	10	16	00	00.5&	49.610	N	122.450	W	8				24	BRITISH COLUMBIA. <PGC-P>. ML 3.3 (PGC), 3.8 (NEIS). Felt at Burnaby, Port Coquitlam, North Vancouver and Vancouver.
	10	16	13	19.3•	28.201	N	140.649	E	33	N	5.0 4.8	1.3	24	BONIN ISLANDS REGION
o	10	18	35	04.9	19.895	S	175.776	W	233	D	5.3	1.1	117	TONGA ISLANDS
	10	18	43	53.8	43.739	N	18.152	E	10	G		1.3	10	YUGOSLAVIA. ML 2.9 (TTG).
	10	18	57	17.2	38.376	N	45.114	E	33	N	4.7 3.7	1.5	24	N.W. IRAN-USSR BORDER REGION
	10	19	22	58.2•	41.935	N	22.964	E	10	G		1.4	5	YUGOSLAVIA
	10	19	44	21.1	1.857	S	126.869	E	33	N	5.1	1.2	35	MOLUCCA SEA
	10	20	36	23.5•	36.948	S	177.122	E	253	•	5.0	1.2	32	OFF E. COAST OF N. ISLAND, N.Z.
	10	20	52	43.4&	40.483	N	124.703	W	14				9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK).
	10	21	20	26.5%	39.422	N	28.367	E	10	G		0.8	8	TURKEY
	10	22	10	13.6	26.294	S	132.600	E	10	G		1.2	11	SOUTH AUSTRALIA
	10	23	47	22.1&	33.970	N	116.660	W	9				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	10	23	56	04.1?	43.73	N	146.18	E	92	•	4.2	0.5	6	KURIL ISLANDS. Felt (I JMA) at Nemuro, Hokkaido.
	11	00	13	07.8	32.110	N	141.712	E	33	N	4.8 4.6	0.9	30	SOUTH OF HONSHU, JAPAN
	11	00	22	44.4?	36.41	N	70.32	E	33	N	4.4	1.2	6	HINDU KUSH REGION
	11	00	23	26.4•	1.634	N	126.618	E	33	N	4.5	1.4	11	MOLUCCA PASSAGE
	11	01	28	53.5&	62.322	N	150.254	W	68				33	CENTRAL ALASKA. <AGS-P>.
	11	02	11	22.8	81.120	N	120.882	E	10	G	4.5	0.9	24	EAST OF SEVERNAYA ZEMLYA
	11	02	39	55.7•	5.048	S	81.809	W	81	D	4.6	1.4	17	NEAR COAST OF NORTHERN PERU
	11	02	40	34.1•	1.883	N	126.691	E	33	N	4.7	1.2	8	MOLUCCA PASSAGE
	11	03	07	20.9•	4.665	S	144.127	E	124	•	4.5	1.2	18	NEAR N COAST OF PAPUA NEW GUINEA
o	11	07	17	59.0	26.079	S	132.736	E	10	G	5.6 5.3	1.8	100	SOUTH AUSTRALIA
	11	07	48	14.0&	34.000	N	116.570	W	11				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	11	08	00	28.6	10.569	N	63.262	W	33	N	4.8	1.3	50	NEAR COAST OF VENEZUELA. Felt at Guiria, Irapa and El Pilar.
o	11	08	27	46.4	45.987	S	166.334	E	32	•	5.4 5.6	1.3	89	OFF W. COAST OF S. ISLAND, N.Z. Felt at Christchurch and Invercargill.
	11	08	51	28.7&	33.970	N	116.580	W	5				13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	11	09	16	51.2•	4.283	S	127.035	E	284	?	4.7	1.2	16	BANDA SEA
	11	11	13	02.6•	38.749	N	21.348	E	10	G		1.7	6	GREECE
	11	12	00	04.0?	43.42	N	20.83	E	10	G		1.7	7	YUGOSLAVIA. ML 2.3 (TTG).
	11	13	22	18.1%	40.116	N	29.265	E	10	G		1.3	6	TURKEY
	11	13	24	54.6%	40.108	N	29.256	E	10	G		1.1	5	TURKEY
	11	14	26	14.4	34.946	N	84.971	W	5	G	3.7	0.8	30	GEORGIA. mbLg 3.8 (NEIS). Slight damage (VI) at Cohutta, Georgia. Felt (V) at Chattanooga, Tennessee and Tunnel Hill, Georgia. Felt (IV) at Apison, Benton, Charleston, Collegedale, East Ridge, Ocoee and Ooltewah, Tennessee. Also felt (IV) at Blue Ridge, Cisco, Crandall, Fort Oglethorpe, Ringgold, Rocky Face and Varnell, Georgia. Felt in southeastern Tennessee and northwestern Georgia.
	11	15	11	20.5•	2.169	S	139.136	E	33	N	4.7	1.2	11	NEAR N. COAST OF WEST IRIAN
	11	15	13	30.6&	34.030	N	116.660	W	10				17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	11	15	20	50.9•	2.167	S	139.112	E	33	N	4.7	1.5	17	NEAR N. COAST OF WEST IRIAN
	11	15	33	20.5•	2.070	S	139.121	E	33	N	4.4	0.5	6	NEAR N. COAST OF WEST IRIAN
	11	15	59	51.9&	34.020	N	116.620	W	10				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	11	16	56	41.2•	44.315	S	167.480	E	33	N	4.2	0.9	5	SOUTH ISLAND, NEW ZEALAND
o	11	17	02	03.9	24.329	N	126.899	E	33	N	5.3 5.1	1.0	87	RYUKYU ISLANDS
	11	17	32	45.9•	34.471	S	72.258	W	33	N	4.4	1.4	13	NEAR COAST OF CENTRAL CHILE
	11	18	12	31.5&	34.020	N	116.670	W	11				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	11	18	24	01.0&	60.975	N	151.594	W	77				23	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	19	54	15.3%	46.517	N	2.402	E	10	G		0.2	11	FRANCE. ML 2.7 (LDG).
	11	20	02	52.8	38.888	N	122.728	W	5	G		0.8	8	NORTHERN CALIFORNIA. ML 2.8 (BRK).
	11	20	12	31.2•	7.566	N	78.184	W	33	N		1.5	8	PANAMA. MG 3.8 (UPA).
	11	20	22	38.4•	2.279	S	138.931	E	33	N		0.5	10	WEST IRIAN
	11	20	42	27.6•	46.793	N	143.488	E	215	?	4.2	0.5	29	SAKHALIN ISLAND
	11	20	48	03.9•	18.724	N	120.853	E	33	N	4.8	1.2	12	LUZON, PHILIPPINE ISLANDS. Felt (II RF) at Pasuquin.
	11	21	02	32.7•	47.987	N	26.718	E	10	G		1.5	12	ROMANIA
	11	21	28	50.9	34.292	N	118.284	W	5	G		0.4	8	SOUTHERN CALIFORNIA. ML 3.0 (PAS). Felt (IV) at Pacoima and Sierra Madre. Also felt at Burbank, Canyon Country and Glendale.
	11	22	17	45.2•	33.431	S	71.784	W	10	G		0.8	9	NEAR COAST OF CENTRAL CHILE

	11	23 03 33.0	43.102 S	172.250 E		33 N	4.6		1.4	21	SOUTH ISLAND, NEW ZEALAND. Fell at Christchurch.
	12	00 29 54.07	30.96 N	71.00 E		33 N			0.2	5	PAKISTAN
	12	00 32 20.0	38.749 N	24.884 E		10 G			1.1	19	AEGEAN SEA. ML 3.2 (ATH).
	12	01 15 50.9±	62.104 N	151.107 W		72				29	CENTRAL ALASKA. <AQS-P>.
	12	04 30 15.1	9.283 N	124.112 E		563	4.9		0.9	30	MINDANAO, PHILIPPINE ISLANDS
	12	05 25 27.99	35.42 N	3.40 W		10 G			0.8	8	STRAIT OF GIBRALTAR
	12	05 45 27.9±	33.999 N	116.650 W		6				29	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS).
	12	06 17 53.7±	37.540 N	20.273 E		27 ±	3.7		1.3	21	IONIAN SEA. ML 4.2 (ATH).
e	12	07 54 26.8	29.962 N	51.382 E		10 G	5.7 5.6		1.2	272	SOUTHERN IRAN. One person killed, four injured and about 300 homes damaged in the Bamoosani area. Felt at Shiraz.
	12	08 04 45.6	37.529 N	121.688 W		5 G			0.6	10	CENTRAL CALIFORNIA. ML 2.8 (BRK).
	12	08 12 21.4±	2.147 S	139.118 E		57 ?	4.6		0.7	15	NEAR N. COAST OF WEST IRIAN
	12	08 19 37.9	40.537 N	84.371 W		10 G	4.5		0.8	45	OHIO. Slight damage (VI) at Anna, Lima, Minster, New Bremen and St. Marys. Felt in much of Ohio and in parts of Michigan, Indiana, Kentucky and West Virginia.
	12	09 08 56.1	1.858 N	127.414 E		109 ±	5.1		1.1	37	HALMAHERA
e	12	10 17 28.5	9.979 N	125.486 E		88	5.3		1.3	112	MINDANAO, PHILIPPINE ISLANDS
	12	10 29 32.8	32.461 N	36.987 E		21 ±	4.8		1.2	15	EASTERN MEDITERRANEAN SEA. ML 4.8 (JER). Felt in northern Israel.
	12	12 19 37.5±	48.414 N	12.733 E		10 G			0.5	5	NORTHERN ITALY
	12	12 24 43.9%	42.899 N	19.158 E		10 G			0.8	7	YUGOSLAVIA. ML 2.3 (TTG).
	12	13 38 02.4±	28.486 S	175.629 W		33 N	4.8		1.1	18	SOUTH OF TONGA ISLANDS
	12	15 06 38.5±	17.994 N	99.582 W		10 G			0.9	8	GUERRERO, MEXICO
e	12	16 05 14.2	1.845 N	128.484 E		48 ±	5.3 5.4		1.3	133	MOLUCCA PASSAGE
	12	16 56 02.3±	34.889 N	116.536 W		4				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	12	17 00 53.1	38.438 N	45.184 E		36 ±	4.8		1.0	68	N.W. IRAN-USSR BORDER REGION
	12	17 28 38.7±	34.030 N	116.680 W		9				19	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	12	17 31 48.7±	29.926 N	51.658 E		33 N	4.5		1.1	20	SOUTHERN IRAN
	12	18 47 18.2±	38.124 N	121.877 W		10 G			0.8	10	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	12	20 11 21.7?	42.94 N	18.15 E		10 G			1.1	8	YUGOSLAVIA. ML 2.5 (TTG).
	12	20 54 26.0±	4.913 N	127.429 E		136 ?	4.3		1.1	12	TALAUD ISLANDS
	12	22 43 17.37	20.34 S	71.43 W		33 N			1.3	6	OFF COAST OF NORTHERN CHILE
	12	23 00 42.4±	41.580 N	5.564 W		10 G			1.5	10	SPAIN. MG 3.2 (MDD). Felt (IV) in the Zamora area.
	12	23 22 47.5±	2.480 N	128.306 E		33 N	4.7		0.7	11	HALMAHERA
	13	00 04 00.1	43.325 N	20.884 E		10 G			1.2	9	YUGOSLAVIA. MG 3.3 (SKO).
	13	00 48 45.5	29.986 N	51.529 E		10 G	4.9 4.6		1.1	145	SOUTHERN IRAN. Additional damage to homes in the Bamoosani area.
	13	01 13 14.9±	65.721 N	152.274 W		33 N			0.3	5	ALASKA. ML 3.0 (PWR).
	13	01 14 22.4	40.727 N	23.314 E		10 G			0.3	7	GREECE
	13	01 41 38.2&	33.958 N	116.620 W		11				21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
	13	03 54 48.5&	62.254 N	150.228 W		11				39	CENTRAL ALASKA. <AQS-P>. ML 3.9 (PWR). Felt at Big Lake, Palmer and Talkeetna.
	13	03 58 02.57	62.22 N	150.29 W		10 G			0.6	4	CENTRAL ALASKA. ML 3.0 (PWR). Felt at Talkeetna.
	13	07 25 57.6%	40.114 N	29.282 E		10 G			0.6	7	TURKEY
f	13	09 12 18.7	18.861 N	93.991 W		80 G	5.9		1.3	302	CHIAPAS, MEXICO. Depth from broadband displacement seismograms.
	13	09 18 04.7±	14.584 N	93.974 W		33 N	4.7		0.7	19	NEAR COAST OF CHIAPAS, MEXICO
	13	09 45 30.2±	24.896 S	179.628 E		470 ±	4.4		P.8	26	SOUTH OF FIJI ISLANDS
	13	10 14 38.1	28.177 S	71.664 W		68	5.4		1.1	188	NEAR COAST OF CENTRAL CHILE
	13	10 26 07.1	0.687 S	77.957 W		5 G	4.9		1.1	36	ECUADOR. Felt (III) at Quito and Colocochi.
e	13	13 47 08.2&	32.978 N	117.878 W		10	5.6 5.8			5	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.8 (PAS).
										268	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 5.3 (PAS). Twenty nine people injured, one critically and at least 50 buildings damaged in the Newport Beach-San Diego area. Preliminary estimate of damage 720 thousand dollars. Also some damage reported in the Tijuana area, Mexico. A small landslide occurred near Lakeside in eastern San Diego County. Felt throughout the coastal area of southern California, from Santa Barbara to San Diego, east to Palm Springs and as far as Yuma, Arizona.
	13	13 53 27.9&	32.978 N	117.820 W		6 G				7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.9 (PAS).
	13	13 58 52.5&	33.070 N	117.710 W		6 G				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	13	14 01 33.0&	32.990 N	117.850 W		12	4.8			39	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.8 (PAS).
	13	14 02 52.0&	33.010 N	117.840 W		12				1	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	13	14 11 01.0&	32.970 N	117.790 W		10				18	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS).
	13	14 11 54.6&	32.970 N	117.780 W		10				1	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	13	14 26 01.5&	32.960 N	117.780 W		12				14	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.6 (PAS).
	13	14 34 25.4	44.563 N	9.665 E		10 G			0.7	24	NORTHERN ITALY. ML 3.1 (LDG).
	13	14 44 41.7&	32.980 N	117.780 W		10				7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	13	15 27 08.8&	32.960 N	117.730 W		12				16	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS).
	13	15 50 05.2&	32.880 N	117.740 W		12				16	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS).
	13	15 52 09.9&	32.990 N	117.770 W		10				7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	13	16 10 18.1&	32.960 N	117.790 W		12				9	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	13	16 18 33.1	44.567 N	9.627 E		10 G			0.8	24	NORTHERN ITALY. ML 3.8 (LDG).
	13	16 37 01.5&	32.980 N	117.780 W		12				8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	13	18 11 14.1±	8.625 S	127.613 E		33 N	4.9		1.3	18	TIMOR
	13	18 56 04.1±	26.829 S	177.616 W		106 ?	4.8		1.4	12	SOUTH OF FIJI ISLANDS
	13	19 02 41.6	3.114 S	77.883 W		118 ±	4.8		1.1	43	PERU-ECUADOR BORDER REGION
	13	19 13 08.07	30.75 S	69.68 W		33 N			0.6	6	CHILE-ARGENTINA BORDER REGION
	13	19 42 46.2	39.100 N	51.727 E		10 G	4.5		1.3	43	IRAN
	13	20 10 33.7%	40.572 N	30.038 E		10 G			0.8	9	TURKEY
	13	20 42 44.47	12.91 S	34.33 E		10 G			1.7	5	MALAWI. MG 3.3 (BUL).
	13	21 03 54.87	7.33 S	128.75 E		119 ?	4.6		0.8	7	BANDA SEA
	13	21 36 38.5%	40.620 N	30.086 E		10 G			1.3	18	TURKEY
	13	23 25 13.5&	32.960 N	117.750 W		12				15	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS).
	13	23 53 42.9&	32.980 N	117.770 W		6				19	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.6 (PAS).
	14	00 32 40.2&	32.970 N	117.800 W		10	4.8			28	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.0 (PAS).
	14	01 11 10.3&	32.950 N	117.840 W		10				18	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS).
	14	01 30 16.17	28.74 S	70.26 W		33 N			0.4	6	CENTRAL CHILE
	14	01 43 30.6&	34.000 N	116.590 W		10				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	14	02 24 48.5	42.382 N	19.888 E		10 G			0.5	9	YUGOSLAVIA. ML 2.7 (TTG).

	14	02 25 34.1*	42.317	N	19.996	E	10	G			0.5	8 YUGOSLAVIA. ML 2.9 (ITG).
	14	03 10 31.2	10.841	N	63.219	W	33	N			1.5	14 NEAR COAST OF VENEZUELA. ML 4.6 (PDF). Felt at Ciudad El Pilar, Yaguaraparo and Tunapuy.
	14	03 20 43.5	10.750	N	63.220	W	33	N	4.9		0.9	26 NEAR COAST OF VENEZUELA. ML 4.8 (PDF).
	14	03 39 32.6*	39.481	N	29.179	E	10	G			1.1	7 AEGEAN SEA
	14	04 10 37.67	16.29	P	98.71	W	33	N			0.9	7 NEAR COAST OF GUERRERO, MEXICO
	14	04 29 09.1&	60.633	N	151.879	W	69					32 KENAI PENINSULA, ALASKA. <AGS-P>.
	14	04 32 52.0	7.983	S	128.347	E	180		5.0		1.1	59 BANDA SEA
	14	05 36 44.9&	32.960	N	117.830	W	6					12 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS).
	14	06 34 44.5	9.656	S	72.433	W	33	N	4.9		1.2	23 PERU-BRAZIL BORDER REGION
	14	06 35 42.5*	17.563	N	105.960	W	33	N	4.5		1.1	39 OFF COAST OF JALISCO, MEXICO
	14	06 37 15.0&	59.872	N	152.681	W	77					28 SOUTHERN ALASKA. <AGS-P>
	14	07 17 35.4&	32.980	N	117.810	W	10					21 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.6 (PAS).
	14	07 52 17.5	4.812	S	144.625	E	93		4.9		1.1	16 NEAR N COAST OF PAPUA NEW GUINEA
	14	08 21 57.1	44.575	N	7.139	E	10	G			0.4	7 NORTHERN ITALY. ML 2.5 (LDG).
	14	09 07 54.0&	32.980	N	117.820	W	10					18 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.6 (PAS).
	14	09 07 58.5*	6.633	N	94.428	E	33	N	4.1		1.3	9 NICOBAR ISLANDS REGION
	14	10 36 48.1	35.990	S	144.238	E	10	G			0.1	6 NEW SOUTH WALES, AUSTRALIA. ML 3.3 (STK).
	14	12 02 38.9	2.142	S	138.926	E	39	*	5.9		1.1	33 WEST IRIAN
	14	13 50 31.5	58.365	N	13.818	E	10	G			1.2	41 SWEDEN. ML 4.8 (NAO), 4.1 (UPP). MD 3.9 (BER). Felt in the Hudsvarna-Mariestad area.
	14	14 44 08.7&	32.970	N	117.828	W	10					15 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS).
	14	14 45 27.3*	58.282	N	13.878	E	10	G			1.2	9 SWEDEN. ML 3.4 (NAO), 3.0 (UPP). MD 3.1 (BER). Felt in the Hudsvarna-Mariestad area.
	14	16 20 09.9&	33.000	N	117.840	W	10					12 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	14	17 14 43.1&	32.980	N	117.770	W	10					13 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS).
	14	18 26 55.6*	12.238	N	144.245	E	45	*	4.1		0.9	10 SOUTH OF MARIANA ISLANDS
o	14	20 14 50.3	12.293	N	143.931	E	27		5.3 5.0		1.3	16 WEST CHILE RISE
	14	21 05 34.4*	33.224	S	70.300	W	117	*			1.3	91 SOUTH OF MARIANA ISLANDS
	14	21 23 09.8&	32.950	N	117.770	W	10				0.3	11 CHILE-ARGENTINA BORDER REGION
	14	22 58 58.2&	32.960	N	117.800	W	10					7 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	14	23 28 19.2	40.286	N	26.112	E	10	G				7 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	14	23 35 45.7?	28.18	N	140.68	E	33	N			0.8	7 TURKEY
	15	02 23 26.8?	12.78	N	57.85	E	10	G	4.5		0.9	8 BONIN ISLANDS REGION
	15	02 53 37.7?	23.77	S	175.56	W	33	N	4.6		0.7	18 ARABIAN SEA
	15	03 15 40.0%	39.157	N	28.761	E	10	G			1.5	9 TONGA ISLANDS REGION
	15	03 17 40.3&	34.000	N	116.900	W	11				0.1	5 TURKEY
	15	03 48 35.3	37.539	N	118.689	W	5	G				5 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	15	05 46 51.5?	32.51	S	71.57	W	33	N			0.5	21 CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (BRK), 3.4 (PAS).
	15	06 00 25.3	37.850	S	74.675	W	33	N	5.1		1.2	19 NEAR COAST OF CENTRAL CHILE
	15	09 16 33.6*	60.357	S	52.778	W	10	G	5.0		1.2	62 OFF COAST OF CENTRAL CHILE
	15	09 32 35.3	38.762	N	75.010	E	33	N	4.7		1.3	19 SOUTH SHETLAND ISLANDS
	15	10 15 01.4*	14.427	S	167.330	E	33	N	4.3		0.9	24 SOUTHERN XINJIANG, CHINA
	15	11 39 38.4?	54.25	N	155.43	E	33	N	4.7		1.2	25 VANUATU ISLANDS
	15	11 51 05.5*	31.807	S	68.185	W	33	N			1.1	21 KAMCHATKA
	15	14 28 13.0	28.036	S	66.714	W	17	*	5.0		1.6	6 SAN JUAN PROVINCE, ARGENTINA
	15	14 39 35.2	1.954	N	126.499	E	43	*	4.8		1.3	31 CATAMARCA PROVINCE, ARGENTINA
	15	15 02 45.3&	32.950	N	117.760	W	10				1.1	36 MOLUCCA PASSAGE
	15	15 03 03.6*	12.073	S	48.774	E	10	G	4.8			7 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	15	15 15 52.0	36.686	N	22.993	E	104	*	3.9		1.2	12 MOZAMBIQUE
	15	18 32 14.5&	33.980	N	116.640	W	6				1.0	34 SOUTHERN GREECE
	15	18 45 35.3*	66.824	N	13.174	E	10	G				8 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	15	19 20 18.5?	11.54	N	85.75	W	169	*	4.0		0.7	8 NORTHERN NORWAY. ML 3.4 (NAO). MD 3.4 (BER). Felt.
	15	19 20 56.1	17.752	S	73.898	W	33	N			0.6	11 NICARAGUA
	15	23 12 58.3	44.484	N	8.965	E	10	G			1.4	20 OFF COAST OF PERU
	15	23 35 17.8*	31.556	N	137.955	E	374	*	4.3		0.8	7 FRANCE. ML 2.3 (LDG).
	15	23 46 52.3	38.379	N	25.076	E	10	G			0.9	21 SOUTH OF HONSHU, JAPAN
	15	23 57 07.6*	34.921	N	26.826	E	33	N	3.9		1.2	17 AEGEAN SEA. ML 3.2 (ATH).
	16	00 38 16.6&	60.062	N	153.127	W	106				1.4	15 CRETE
	16	02 19 49.6*	8.002	S	105.988	E	33	N	4.6			17 SOUTHERN ALASKA. <AGS-P>.
	16	03 40 19.2*	27.686	S	70.966	W	33	N			1.5	15 SOUTH OF JAVA
	16	03 49 16.5?	44.23	N	10.15	E	10	G			1.4	15 NEAR COAST OF NORTHERN CHILE
	16	05 20 51.2&	32.980	N	117.770	W	10				0.7	5 NORTHERN ITALY
	16	06 59 00.1	37.266	N	32.053	W	10	G	4.6 4.5			8 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	16	07 00 11.8%	35.974	N	137.252	E	33	N			0.7	31 AZORES ISLANDS REGION
	16	07 08 57.6&	31.950	N	115.620	W	6	G			0.4	5 HONSHU, JAPAN. Felt (I JMA) at Iida, Gifu and Nagoya.
	16	09 33 42.8?	44.26	N	7.65	E	10	G				8 BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
f	16	12 41 28.3	19.511	S	169.165	E	111	G	6.2		0.3	5 NORTHERN ITALY. ML 2.6 (LDG).
	16	12 47 01.5&	32.950	N	117.820	W	10				1.2	390 VANUATU ISLANDS. Depth from broadband displacement seismograms.
												16 CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS). Felt (V) at Bonsall, El Cajon, Escondido, Laguna Hills, Poway, San Diego, San Marcos and Spring Valley.
	16	14 06 03.7	38.893	N	27.551	E	10	G			0.7	6 TURKEY
	16	14 38 51.1*	36.429	N	31.662	E	10	G			1.4	12 TURKEY
	16	14 46 57.5%	60.227	N	5.236	E	10	G			0.3	5 SOUTHERN NORWAY. MD 2.0 (BER).
	16	16 27 49.9&	37.747	N	121.972	W	4					11 CENTRAL CALIFORNIA. <BRK>. ML 2.2 (BRK). Felt at San Ramon.
	16	16 46 03.2%	44.984	N	26.179	E	33	N			1.3	6 ROMANIA
	16	17 02 53.1?	59.09	N	19.77	E	10	G			1.5	6 POLAND
	16	17 38 51.1*	38.356	N	25.079	E	10	G			0.6	5 AEGEAN SEA. ML 3.3 (ATH).
	16	17 49 24.8?	59.23	N	7.23	E	10	G			0.4	5 SOUTHERN NORWAY. MD 2.6 (BER).
	16	19 13 11.1*	23.424	S	68.824	W	33	N			1.5	6 NORTHERN CHILE
	16	19 15 39.2	41.141	N	14.549	E	10	G			0.9	23 SOUTHERN ITALY. MG 3.7 (LJU).
	16	20 46 42.6	42.367	N	19.913	E	10	G			1.0	9 YUGOSLAVIA. ML 2.6 (ITG).
	16	20 59 03.8&	37.297	N	121.662	W	6					13 CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt in the eastern part of San Jose.
	16	21 25 44.0?	25.47	S	179.52	E	580	?	4.6		1.2	15 SOUTH OF FIJI ISLANDS
o	16	22 03 18.7	31.049	N	77.997	E	33	N	5.6 5.2		1.0	257 NORTHERN INDIA. Felt at Chandigarh and in Haryana, Punjab and Himachal Pradesh. Also felt at Dehra Dun and Delhi.
	16	22 14 01.8	46.314	N	112.878	W	5	G			0.5	11 MONTANA. ML 3.6 (NEIS).

	16	22 29 37.9•	15.994 N	61.539 W	117 ?				0.4	10	LEEWARD ISLANDS
	16	22 37 11.1	46.389 N	112.868 W	5 G				0.5	11	MONTANA. ML 3.6 (NEIS).
	16	23 12 05.87	80.46 N	1.64 W	10 G	4.3			1.6	8	NORTH OF SVALBARD
	17	00 12 01.4•	38.444 N	45.397 E	33 N	4.5			1.4	12	N.W. IRAN-USSR BORDER REGION
	17	00 24 00.1	56.894 N	162.968 E	33 N	4.9	4.1		0.8	55	NEAR EAST COAST OF KAMCHATKA
	17	01 00 41.2&	60.052 N	153.448 W	135					24	SOUTHERN ALASKA. <AGS-P>.
	17	02 34 34.3	46.109 N	7.634 E	10 G				1.1	9	SWITZERLAND. ML 2.8 (LDG).
	17	02 47 04.5•	23.588 S	179.959 E	542 •	4.7			1.1	48	SOUTH OF FIJI ISLANDS
	17	03 22 45.3&	34.000 N	116.630 W	R					13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	17	04 58 55.4	22.934 S	66.712 W	220	4.4			1.0	37	JUJUY PROVINCE, ARGENTINA
	17	05 01 54.4	9.970 N	57.069 E	10 G	4.8			0.8	26	CARLSBERG RIDGE
	17	05 12 11.0&	58.173 N	151.281 W	45					20	KODIAK ISLAND REGION. <AGS-P>.
	17	06 53 43.0•	1.002 N	28.531 W	10 G	4.8	4.1		1.4	14	CENTRAL MID-ATLANTIC RIDGE
	17	06 55 30.8	10.231 S	160.986 E	91	5.0			1.0	29	SOLOMON ISLANDS
	17	07 35 34.3	44.527 N	7.293 E	10 G				0.2	7	NORTHERN ITALY. ML 3.1 (LDG).
	17	08 15 35.6•	43.322 N	77.857 E	33 N	4.5			1.2	13	ALMA-ATA REGION. Felt (III) at Almo-Ata.
	17	09 58 14.5	10.027 S	119.552 E	33 N	4.4			1.3	17	SUMBA ISLAND REGION
	17	10 06 59.1•	50.616 N	5.302 E	10 G				0.3	5	BELGIUM
	17	10 20 52.8	38.432 N	25.017 E	10 G				1.0	16	AEGEAN SEA. ML 3.4 (ATH).
	17	10 42 23.4•	44.277 N	27.866 E	33 N				1.3	7	ROMANIA
	17	10 54 30.4•	6.851 S	130.538 E	88 •	4.9			1.5	20	BANDA SEA
	17	11 06 14.57	33.99 S	72.12 W	33 N				0.3	7	OFF COAST OF CENTRAL CHILE
	17	12 16 27.7%	47.578 N	5.650 E	10 G				1.1	8	FRANCE. ML 2.6 (LDG).
	17	12 27 28.7%	38.613 N	4.125 W	0 G				0.7	5	SPAIN. Probable explosion.
	17	12 59 49.5	9.541 S	152.220 E	13	5.0			1.3	21	DENTRECASTEAUX ISLANDS REGION
	17	13 42 08.1%	46.398 N	8.319 E	10 G				1.2	11	FRANCE. ML 2.8 (LDG).
•	17	14 32 16.7	21.771 S	179.515 W	597	4.8			1.0	65	FIJI ISLANDS REGION
	17	14 34 02.77	14.93 N	69.26 W	10 G				0.5	8	WINDWARD ISLANDS. ML 2.9 (FDF).
	17	14 58 05.0•	39.691 N	62.789 E	33 N	4.4			1.1	13	TURKMEN SSR
•	17	15 46 37.0	36.668 N	71.247 E	47 •	5.3	5.3		1.3	202	AFGHANISTAN-USSR BORDER REGION. Felt (V) at Khorog; (III) at Dzhirgatal, Dushanbe, Garm and Komangan; (II) at Andizhan and Toshkent, USSR.
	17	15 57 05.0	37.089 N	4.208 W	10 G				0.8	11	SPAIN. MG 3.5 (MDD). Felt (III) at Loja, Solar, Zagra and Santa Cruz de Alhama.
	17	16 40 10.8&	59.058 N	152.689 W	81					30	SOUTHERN ALASKA. <AGS-P>.
	17	16 56 15.4%	60.743 N	5.583 E	10 G				0.2	5	SOUTHERN NORWAY. MD 2.1 (BER).
	17	17 22 45.2	41.148 N	24.336 E	9				1.1	13	GREECE-BULGARIA BORDER REGION
	17	17 56 51.07	59.31 N	6.86 E	10 G				1.0	5	SOUTHERN NORWAY. MD 2.2 (BER).
	17	18 11 22.9•	9.159 S	79.935 W	33 N	4.9			1.5	16	OFF COAST OF NORTHERN PERU
	17	18 37 20.6	51.439 N	174.583 W	33 N	4.8			1.8	54	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	17	18 51 28.3•	16.327 N	98.668 W	16	4.3			1.1	15	NEAR COAST OF GUERRERO, MEXICO
	17	19 01 37.9	39.055 N	28.668 E	10 G				1.0	9	TURKEY
	17	19 04 27.2•	51.118 N	15.914 E	10 G				1.0	7	POLAND
	17	19 55 52.6	44.003 N	7.912 E	10 G				0.4	7	NORTHERN ITALY. ML 2.8 (LDG).
	17	20 35 15.0&	33.990 N	116.650 W	6	4.4				45	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). Felt (V) at Coachella and (IV) at Angelus Oaks, Desert Hot Springs, Forest Falls, Indio, Morongo Valley, Palm Springs and Whitewater. Felt in Riverside, San Bernardino, Orange, Los Angeles, Imperial and San Diego Counties.
	17	21 00 00.0&	37.279 N	116.356 W	0	5.7				243	SOUTHERN NEVADA. <DOE>. ML 5.5 (BRK), 37° 16' 43.22" N., 116° 21' 20.19" W., Surface Elev. 2044 m., Depth of Burial 600 m., Shot Time 210000.055, "CYBAR", Nevada Test Site (Dept. of Energy).
	17	21 13 49.6•	34.702 N	111.149 W	5 G				1.3	7	EASTERN ARIZONA. ML 2.6 (NEIS).
	17	21 15 15.1	18.304 S	123.609 E	33 N	5.0	3.9		1.5	47	TIMOR
	17	21 54 45.1&	33.998 N	116.650 W	7	4.1				34	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.4 (PAS). Felt (IV) at Yucaipa.
	17	22 55 37.6•	10.985 N	56.686 E	10 G	4.7			0.5	23	CARLSBERG RIDGE
	17	23 51 11.4&	33.998 N	116.650 W	7					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	18	00 21 40.0•	19.748 S	126.046 W	10 G	5.0	4.6		1.1	29	SOUTH PACIFIC OCEAN
	18	00 21 40.4•	39.845 N	28.599 E	10 G				1.3	5	TURKEY
	18	01 26 44.1	43.297 N	26.098 E	10 G				1.4	11	BULGARIA
	18	02 44 48.6&	62.881 N	149.840 W	52					34	CENTRAL ALASKA. <AGS-P>.
	18	05 45 49.5	0.170 S	17.997 W	10 G	4.9	4.0		0.9	54	NORTH OF ASCENSION ISLAND
	18	06 04 05.67	31.21 S	68.96 W	111 ?				0.8	5	SAN JUAN PROVINCE, ARGENTINA
	18	06 27 28.0	15.398 N	120.686 E	194	4.8			0.9	35	LUZON, PHILIPPINE ISLANDS
	18	07 18 05.4	37.575 N	118.827 W	5 G				0.8	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (BRK), 3.0 (PAS).
	18	12 48 35.7•	45.764 N	26.521 E	96 ?				0.7	10	ROMANIA
	18	13 43 24.8•	32.628 S	68.056 W	127 ?				0.8	8	MENDOZA PROVINCE, ARGENTINA
	18	14 25 26.6•	7.231 S	122.781 E	612 ?	4.6			0.4	10	FLORES SEA
•	18	15 07 51.7	16.356 S	28.582 E	17	5.5	4.6		1.0	184	ZAMBIA. Felt at Kariba, Karoi, Harare and Marondera, Zimbabwe.
	18	15 33 01.1	37.176 N	71.943 E	114 •	4.7			0.9	40	AFGHANISTAN-USSR BORDER REGION
	18	15 58 33.8&	37.573 N	118.447 W	5					12	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. MD 3.4 (REN), ML 3.0 (PAS). Felt in the Chalfant Valley, California.
	18	16 00 00.3&	37.573 N	118.445 W	5					20	CALIFORNIA-NEVADA BORDER REGION. <REN-P>. ML 3.9 (BRK), 3.6 (PAS). Felt in the Chalfant Valley, California.
	18	16 05 24.7	16.943 S	174.661 W	145 •	4.8			1.1	38	TONGA ISLANDS
	18	17 00 36.8&	36.898 N	117.850 W	1					27	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.7 (PAS), 3.8 (BRK). Felt (V) at Camp Nelson, (IV) at Keeler and Trona and (III) at Chino Lake, California.
	18	17 02 50.6&	36.188 N	117.850 W	3					5	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.4 (PAS).
	18	17 06 35.9•	19.878 N	121.489 E	38 •	4.4			1.4	10	PHILIPPINE ISLANDS REGION
f	18	17 22 38.2	10.770 N	69.428 W	7 G	5.9	4.9		1.0	397	VENEZUELA. One person died from a heart attack and about 30 homes damaged in the Churuguara area. Felt in Falcon, Lara, Carabobo, Zulia, Aragua and Miranda. Depth from broadband displacement seismograms.
	18	17 25 47.4&	37.670 N	118.430 W	6 G					3	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	18	18 55 43.8&	36.898 N	117.850 W	2					7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	18	19 26 36.4•	38.884 N	27.500 E	10 G				0.6	5	TURKEY
	18	19 58 01.8&	33.976 N	116.570 W	6					15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (V) at Angelus Oaks and Forest Falls. Felt (IV) at Calimesa.

	18	20 24 30.77	7.12	S	129.81	E	116 ?							Colton, India, Palm Springs and Whitewater
	18	20 35 49.27	21.16	S	69.87	W	33 N				1.3	9		BANDA SEA
	18	20 42 39.77	44.21	N	128.24	W	10 G		4.8		0.5	5		NORTHERN CHILE
	18	22 07 05.8•	56.168	N	152.762	W	33 N		4.2		1.9	5		OFF COAST OF OREGON
	18	22 09 05.4•	18.418	S	123.988	E	33 N		4.6		1.4	5		KODIAK ISLAND REGION. ML 3.3 (PWR)
	18	22 24 38.2•	36.311	N	9.137	W	10 G				1.5	9		TIMOR
	19	00 21 31.7	10.917	N	69.394	W	10 G		4.9	4.8	1.3	28		WEST OF GIBRALTAR. MG 3.9 (NDO)
	19	01 23 13.9•	0.575	N	29.834	W	10 G		4.7		0.9	76		VENEZUELA
	19	01 49 19.3•	53.603	N	167.273	W	33 N		4.6		1.4	11		CENTRAL MID-ATLANTIC RIDGE
	19	02 20 56.4•	53.602	N	167.291	W	33 N		4.4		1.2	30		FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PWR)
	19	02 24 43.9&	36.310	N	120.360	W	14				1.0	16		FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PWR)
	19	04 11 02.6	42.300	N	19.984	E	3					5		CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS)
o	19	04 31 55.9	53.352	N	165.882	W	33 N		5.5	5.1	0.7	21		YUGOSLAVIA. ML 3.1 (TTG).
	19	04 35 51.3•	5.938	N	126.004	E	145 •		5.0		1.1	265		FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.9 (PWR), Ms 4.9 (BRK). Felt (IV) at Unalaska. Also felt on Akutan.
o	19	05 04 08.2	53.339	N	165.859	W	33 N		5.1	4.5	0.9	18		MINDANAO, PHILIPPINE ISLANDS
	19	05 18 33.3&	60.136	N	152.552	W	87				1.0	132		FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.6 (PWR). Felt (III) at Unalaska. Also felt on Akutan.
f	19	05 59 36.2	47.264	N	151.127	E	141 G		5.9			24		SOUTHERN ALASKA. <AGS-P>.
o	19	06 53 17.8	53.600	N	167.171	W	33 N		5.5	5.7	0.9	428		KURIL ISLANDS. Felt (I JMA) at Nemuro, Obihiro and Urakawa, Hokkaido. Depth from broadband displacement seismograms.
	19	07 16 10.6•	53.483	N	167.087	W	33 N		4.5		1.1	285		FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.8 (PWR), Ms 5.6 (BRK). Felt strongly on Unalaska. Also felt on Akutan.
	19	07 49 42.1	24.718	S	179.947	E	498		5.1		1.2	23		FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PWR).
	19	07 57 28.0•	53.507	N	167.242	W	33 N		4.8		1.1	61		SOUTH OF FIJI ISLANDS
	19	08 20 24.4•	53.527	N	167.170	W	33 N		4.2		1.2	21		FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PWR)
	19	08 25 57.3	13.704	N	120.778	E	117		4.9		1.2	25		FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PWR)
	19	08 27 52.7&	35.920	N	117.720	W	6 G				1.0	46		MINDORO, PHILIPPINE ISLANDS
	19	09 12 23.3	28.362	N	56.864	E	66 •		4.8			5		CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS)
	19	09 25 48.57	42.56	N	127.36	W	10 G		4.1		1.0	82		SOUTHERN IRAN
	19	09 43 06.4	1.992	N	126.503	E	79 •		5.1		1.6	11		OFF COAST OF OREGON
	19	10 02 14.2&	37.640	N	118.450	W	6 G				1.3	63		MOLUCCA PASSAGE
	19	10 15 52.3%	46.671	N	2.089	E	10 G					4		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS)
	19	10 23 38.9&	32.940	N	117.840	W	10				1.4	16		FRANCE. ML 2.8 (LDG)
	19	10 47 03.3•	34.126	N	79.659	E	33 N		4.6			7		CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS)
	19	11 31 07.5	53.617	N	167.408	W	33 N		5.0	4.6	1.2	14		KASHMIR-TIBET BORDER REGION
	19	13 07 54.6•	34.199	N	133.242	E	33 N				0.9	107		FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PWR). Felt on Akutan and Unalaska.
	19	13 21 00.5&	36.090	N	117.850	W	3				1.3	7		NEAR S. COAST OF SOUTHERN HONSHU
	19	13 42 55.57	51.50	N	175.16	W	33 N		4.0			8		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS)
	19	13 45 26.5&	32.950	N	117.830	W	10				1.3	9		ANDREANOF ISLANDS, ALEUTIAN IS.
	19	14 09 13.2%	40.555	N	29.193	E	10 G					9		CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS)
	19	14 35 22.8	30.747	S	68.991	W	46 •		5.0		0.3	7		TURKEY
	19	14 35 59.2&	62.114	N	148.884	W	40				1.5	25		SAN JUAN PROVINCE, ARGENTINA
	19	15 18 47.1	40.391	N	25.797	E	10 G					40		CENTRAL ALASKA. <AGS-P>.
	19	15 24 34.5	40.402	N	25.880	E	10 G				0.9	15		AEGEAN SEA
	19	17 32 17.77	53.50	N	167.25	W	33 N		4.4		1.2	22		AEGEAN SEA
	19	17 33 19.9•	44.607	N	6.961	E	10 G				1.2	10		FOX ISLANDS, ALEUTIAN ISLANDS
	19	19 18 19.0&	36.090	N	117.850	W	2				0.4	6		FRANCE. ML 2.2 (LDG)
o	19	20 12 55.2	31.260	N	86.910	E	33 N		5.1	4.6		14		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS)
	19	20 52 09.6	53.662	N	167.184	W	33 N		4.9		1.2	113		TIBET
	19	21 19 32.67	4.72	S	13.74	W	10 G		4.9		1.0	49		FOX ISLANDS, ALEUTIAN ISLANDS
	19	22 09 16.8&	61.672	N	152.019	W	114				1.5	14		NORTH OF ASCENSION ISLAND
o	19	22 32 36.0	53.521	N	167.301	W	33 N		5.6	5.6		28		SOUTHERN ALASKA. <AGS-P>.
	19	23 37 59.57	15.07	S	168.46	E	109 ?		4.7		1.0	277		FOX ISLANDS, ALEUTIAN ISLANDS. Ms 5.6 (BRK). Slight damage (V) at Dutch Harbor Airport and Unalaska. Also felt on Akutan.
	19	23 46 45.0•	35.696	N	141.145	E	33 N		4.0		1.2	14		VANUATU ISLANDS
											1.1	12		NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Choshi.
	20	00 25 08.6•	31.231	S	68.373	W	112 •				1.1	14		SAN JUAN PROVINCE, ARGENTINA
o	20	01 59 08.2	53.530	N	167.344	W	33 N		4.9	4.5	1.1	70		FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.2 (PWR). Felt (III) at Cold Bay. Also felt on Unalaska.
	20	02 16 56.87	15.23	N	60.32	W	10 G				0.3	5		LEEWARD ISLANDS. ML 2.8 (FDF)
	20	02 29 20.3	44.415	N	116.002	W	5 G				0.8	13		WESTERN IDAHO. ML 3.2 (NEIS)
	20	02 29 41.8	32.874	S	69.131	W	21				0.6	17		MENDOZA PROVINCE, ARGENTINA
	20	02 48 55.1•	10.465	S	123.899	E	33 N		4.7		1.4	11		TIMOR
	20	03 42 50.1•	29.754	S	71.741	W	33 N				1.3	15		NEAR COAST OF CENTRAL CHILE
	20	03 47 14.07	29.56	S	71.76	W	33 N				1.1	10		NEAR COAST OF CENTRAL CHILE
	20	04 01 18.5•	37.839	N	35.985	E	10 G		4.2		1.4	20		TURKEY
	20	05 07 18.17	39.51	N	32.28	E	10 G				1.4	7		TURKEY
	20	05 09 20.6•	53.434	N	167.155	W	33 N		4.4		0.9	12		FOX ISLANDS, ALEUTIAN ISLANDS
	20	05 35 09.87	53.66	N	169.37	W	33 N		4.5		1.5	11		FOX ISLANDS, ALEUTIAN ISLANDS
	20	05 52 16.2•	15.914	S	75.272	W	33 N		4.6		1.4	33		NEAR COAST OF PERU
	20	08 01 36.2%	39.092	N	28.511	E	10 G				1.0	10		TURKEY
	20	08 02 46.6&	61.663	N	150.333	W	67					39		SOUTHERN ALASKA. <AGS-P>.
	20	08 48 24.27	53.49	N	166.95	W	33 N		4.3		1.3	12		FOX ISLANDS, ALEUTIAN ISLANDS
	20	09 00 29.4	39.249	N	27.737	E	10 G				0.6	8		TURKEY
	20	11 54 08.77	38.13	N	19.96	E	10 G				1.2	12		IONIAN SEA
	20	13 02 23.2&	32.930	N	117.780	W	10					11		CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS)
o	20	14 29 45.5&	37.580	N	118.450	W	8		5.6	5.6		253		CALIFORNIA-NEVADA BORDER REGION. <GS>. ML 5.9 (BRK), 5.9 (PAS). Felt (V) at Bishop, Benton and Big Pine, California. Also felt (V) at Dyer, Nevada. Felt at Fresno and Bakersfield, California and in parts of southeastern Nevada.
	20	14 42 31.6	36.868	N	121.293	W	5 G				0.9	13		CENTRAL CALIFORNIA. ML 2.8 (BRK)
	20	14 46 08.5&	37.597	N	118.423	W	10 G					22		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.1 (BRK)
	20	14 55 02.6&	37.580	N	118.450	W	6 G					3		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS)
	20	15 20 40.0•	6.137	S	123.046	E	33 N		4.8		1.3	17		BANDA SEA
	20	15 26 43.2&	37.535	N	118.432	W	7 G					18		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK), 3.3 (PAS).
	20	15 29 29.0&	37.577	N	118.477	W	8 G					15		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).

	20	15 24 35 1& 37 590 N	118.488 W	6 G									3.4 (PAS).
	20	15 37 39 9• 45 137 N	7.151 E	10 G							4		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	20	15 40 23.6& 58 752 N	152 721 W	33					0.9		6		NORTHERN ITALY. ML 2.8 (LDG)
	20	15 56 23 1 29.988 N	51 694 E	10 G	4.6				1.1		13		KODIAK ISLAND REGION. <AGS-P>.
	20	16 02 56.2 44 319 N	6 784 E	10 G					0.5		52		SOUTHERN IRAN
	20	16 19 46.87 52.02 N	174.87 W	33 N	4.6				1.1		6		FRANCE. ML 2.6 (LDG).
	20	16 23 02 5& 37.563 N	118.505 W	5							19		ANDREANOF ISLANDS, ALEUTIAN IS.
	20	16 27 52 6& 58.882 N	154.814 W	141							18		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK), 3.3 (PAS).
	20	16 32 35 1& 37.575 N	118.467 W	8 G							37		ALASKA PENINSULA. <AGS-P>.
	20	16 37 25 5& 37.567 N	118.485 W	8 G							21		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.9 (BRK), 3.5 (PAS).
	20	16 43 02 6 37.592 N	118.351 W	10 G							18		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.7 (BRK), 3.2 (PAS).
	20	17 29 04 2• 25.942 S	178.692 E	600 ?	4.8				0.8		16		CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (PAS).
	20	17 41 56 2& 37.542 N	118.473 W	10 G					0.5		13		SOUTH OF FIJI ISLANDS
	20	17 45 43 8& 37.570 N	118.478 W	6 G							23		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK), 3.5 (PAS).
	20	18 03 46 8 18.484 S	76.829 W	132	4.9				1.1		4		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
e	20	18 09 06.8 56.739 S	3.577 W	10 G	5.8	5.8			0.9		110		PERU. Felt at Chanchamayo, Oxapampa and Satipo.
	20	18 36 54.0& 37.525 N	118.483 W	1 G							67		SOUTH ATLANTIC RIDGE
	20	18 38 53.3& 37.550 N	118.468 W	5 G	3.9						26		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.8 (BRK), 3.4 (PAS). Felt (V) at Bishop, California.
	20	18 48 58.9& 37.589 N	118.420 W	6 G							41		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.7 (BRK), 4.8 (PAS). Felt (V) at Bishop, California and (III) at Dyer, Nevada.
	20	18 49 40.1& 37.600 N	118.500 W	6 G							2		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS) 3.8 (BRK).
	20	18 53 20.2& 37.570 N	118.470 W	6 G							3		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS)
	20	18 59 36.4 37.617 N	118.488 W	10 G							4		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS)
	20	19 05 32.6 44 455 N	116.033 W	5 G					1.1		6		CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (PAS).
	20	19 25 53.2& 37.570 N	118.500 W	6 G					0.7		11		WESTERN IDAHO. ML 3.6 (NEIS).
	20	19 27 48.0& 37.560 N	118.478 W	6 G							3		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS)
	20	19 37 47.4& 61.996 N	151.033 W	71							3		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	20	19 44 29.7& 57.042 N	154.533 W	92	4.6						22		SOUTHERN ALASKA. <AGS-P>.
	20	20 05 05.3• 1.077 N	29.896 E	10 G	4.4				1.3		56		KODIAK ISLAND REGION. <AGS-P>.
	20	20 38 51.3• 15.939 N	119.822 E	66 •	4.4				1.2		7		ZAIRE REPUBLIC
	20	21 18 13.1& 37.600 N	118.420 W	6 G							10		LUZON, PHILIPPINE ISLANDS
	20	21 27 23.7• 55.802 N	157.203 W	33 N	4.7				0.8		5		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	20	21 29 57.4% 43.145 N	18.505 E	10 G					0.6		37		ALASKA PENINSULA. ML 4.7 (PNR).
	20	22 46 50 2• 31.505 S	68.048 W	10 G					1.3		6		YUGOSLAVIA. ML 2.4 (TTG).
	20	23 19 41.4% 11.606 S	76.474 W	33 H					1.5		8		SAN JUAN PROVINCE, ARGENTINA
	21	00 08 12 4 37.588 N	118.339 W	10 G					0.6		7		PERU. Felt (II) at Lima.
	21	00 27 47.8& 61.336 N	151.518 W	70							15		CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (PAS).
	21	00 36 59 2& 37.560 N	118.460 W	6 G							29		SOUTHERN ALASKA. <AGS-P>.
	21	00 40 46.8• 14.112 S	76.206 W	43 ?	4.5				1.1		3		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	21	01 01 53.7 15.635 S	172.488 W	33 H	4.9				0.8		11		NEAR COAST OF PERU. Felt (III) at Ica.
	21	01 08 51.9& 37.550 N	118.430 W	8 G							43		SAMOA ISLANDS REGION
	21	01 32 22.1 37.358 N	122.228 W	5 G							2		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	21	01 37 37.8& 37.380 N	118.530 W	6 G					0.7		9		CENTRAL CALIFORNIA. ML 2.9 (BRK).
	21	01 54 26 1& 37.610 N	118.460 W	6 G							4		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS).
	21	02 06 33.6 40.378 N	33.348 E	10 G							3		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	21	02 27 54.3 37.564 N	118.351 W	10 G					0.4		9		TURKEY
	21	03 05 15.3% 39.517 N	28.352 E	10 G					0.5		18		CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK), 3.3 (PAS).
	21	03 12 11.3 37.546 N	118.433 W	10 G					0.8		13		TURKEY
									0.7		30		CALIFORNIA-NEVADA BORDER REGION. ML 4.4 (BRK), 4.4 (PAS). Mo=1.6•10••22 (BRK).
	21	03 23 02.27 52.22 N	36.25 W	10 G	4.3				1.4		7		NORTH ATLANTIC OCEAN
	21	03 23 34.3 39.466 N	28.344 E	10 G					0.9		12		TURKEY
	21	03 31 16.6 39.471 N	28.333 E	11					0.6		12		TURKEY
	21	03 48 38.7• 4.369 N	94.987 E	33 H	4.6				1.4		9		OFF W COAST OF NORTHERN SUMATERA
	21	04 33 34.6& 32.970 N	117.770 W	10							5		CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	21	04 34 49.2& 32.950 N	117.780 W	10							5		CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	21	05 39 21.8& 37.570 N	118.420 W	6							3		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	21	06 50 42.2& 37.620 N	118.410 W	6							3		CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	21	07 39 26.0 32.298 S	69.271 W	125 •	4.1				1.1		17		MENDOZA PROVINCE, ARGENTINA
	21	08 10 31.3 37.548 N	118.384 W	10 G					0.6		25		CALIFORNIA-NEVADA BORDER REGION. ML 4.1 (BRK), 3.8 (PAS). Mo=8.8•10••21 (BRK).
	21	08 20 44.4 37.615 N	118.376 W	10 G					0.5		18		CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.1 (PAS).
	21	08 32 32.0& 62.888 N	149.622 W	82							27		CENTRAL ALASKA. <AGS-P>.
	21	09 35 29.2 21.951 S	67.634 W	33 N					0.9		6		CHILE-BOLIVIA BORDER REGION
	21	09 58 31.87 23.78 S	69.11 W	33 N					0.7		5		NORTHERN CHILE
	21	10 18 27 67 5.36 S	134.01 E	33 N	4.3				1.0		8		ARDE ISLANDS REGION
	21	11 15 22.0& 37.572 N	118.482 W	10							33		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.3 (BRK), 4.6 (PAS). Mo=2.6•10•22 (BRK).
o	21	12 11 15.8 20.572 S	174.283 W	37 D	5.5	5.0			1.0		169		TONGA ISLANDS
	21	13 28 49.3 37.616 N	118.357 W	10 G					0.7		19		CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (BRK), 3.3 (PAS).
	21	13 47 08.2% 40.626 N	29.191 E	10 G					1.2		9		TURKEY
	21	13 59 36.1• 5.624 S	154.243 E	95 •	4.2				0.6		8		SOLOMON ISLANDS
	21	14 25 23.9 43.682 N	127.411 W	10 G	4.1				0.9		23		OFF COAST OF OREGON
f	21	14 42 26.6& 37.537 N	118.447 W	9	6.0	6.2					311		CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 6.5 (BRK), 6.0 (PAS). Mo=3.5•10••24 (BRK). About 20 mobile homes were damaged and a number of others shaken off their foundations in the Chalfant Valley, California. Several buildings were damaged (VI) at Bishop, California. Landslides occurred in the area. Fault rupture, maximum of 5 cm. of right-lateral slip, occurred along faults in the Volcanic Tableland west of Chalfant Valley and the White Mountains fault zone. The earthquake was felt throughout a large area of California and Nevada from

	21	14 45 21.0&	37.580 N	118.420 W		6 G					San Francisco to Reno and south to Los Angeles and Las Vegas. Felt in high-rise buildings as far away as Salt Lake City, Utah. Depth 8.9 km. from broadband displacement seismograms.
	21	14 51 11.0&	37.520 N	118.412 W		10 G	5.1				
	21	14 53 58.1&	37.580 N	118.420 W		6 G				1	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 4.0 (PAS)
	21	14 57 49.4	37.531 N	118.326 W		10 G	4.7			87	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 5.7 (BRK), 5.4 (PAS). Mo=4.5*10**23 (BRK). Felt (V) at Benton and Big Pine, California.
	21	15 00 46.6&	37.580 N	118.426 W		6 G				1	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 4.9 (PAS)
	21	15 05 41.0*	37.560 N	118.384 W		10 G		0.5		30	CALIFORNIA-NEVADA BORDER REGION. ML 4.8 (BRK), 4.7 (PAS). Mo=6.5*10**22 (BRK).
	21	15 10 15.0&	37.550 N	118.436 W		6 G				6	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.7 (PAS)
	21	15 10 30.2*	37.682 N	118.485 W		10 G		0.9		10	CALIFORNIA-NEVADA BORDER REGION. ML 3.9 (BRK), 4.1 (PAS).
	21	15 11 30.7&	37.600 N	118.490 W		6 G				10	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (BRK), 3.8 (PAS).
	21	15 11 32.4*	37.781 N	31.889 E		10 G		0.6		7	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK)
	21	15 15 29.4*	37.628 N	118.3.9 W		10 G				4	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 4.7 (PAS)
	21	15 19 35.4&	37.513 N	118.425 W		10 G		1.1		7	TURKEY
	21	15 24 45.9	56.592 N	153.361 W		33 N	5.0	0.6		12	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK)
	21	15 26 49.3&	37.547 N	118.503 W		10 G				22	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.7 (BRK), 4.5 (PAS). Mo=4.3*10**22 (BRK).
	21	15 29 10.8	37.621 N	118.368 W		10 G		0.7		72	KODIAK ISLAND REGION. ML 5.1 (PWR)
	21	15 31 05.5	37.663 N	118.414 W		10 G				17	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.6 (BRK), 4.3 (PAS). Mo=2.2*10**22 (BRK).
	21	15 36 50.1	37.599 N	118.368 W		10 G		0.9		9	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.4 (PAS).
	21	15 41 22.1	37.574 N	118.384 W		10 G		0.5		11	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.4 (PAS).
	21	15 46 24.8&	37.665 N	118.487 W		10 G		0.5		16	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK), 4.1 (PAS).
	21	15 47 03.3	48.818 N	150.725 E		319 ?	4.6	0.6		21	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.9 (PAS).
	21	15 50 22.3*	37.677 N	118.435 W		10 G				23	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.5 (BRK). Mo=1.8*10**22 (BRK).
	21	15 54 43.9*	33.757 S	72.883 W		46 *	5.1	0.9		36	NORTHWEST OF KURIL ISLANDS
	21	15 58 17.17	33.86 S	71.81 W		33 N		0.8		6	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK), 3.1 (PAS).
	21	16 19 04.5&	37.580 N	118.428 W		6 G		1.0		28	OFF COAST OF CENTRAL CHILE
	21	16 26 44.3	37.514 N	118.307 W		5 G		0.6		7	NEAR COAST OF CENTRAL CHILE
	21	16 36 43.6	37.540 N	118.385 W		10 G				5	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.4 (PAS)
	21	17 05 33.4	37.530 N	118.463 W		10 G	3.6	0.6		21	CALIFORNIA-NEVADA BORDER REGION. ML 4.6 (BRK), 4.3 (PAS). Mo=2.1*10**22 (BRK).
	21	17 08 33.7*	37.622 N	118.390 W		10 G		0.5		17	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (PAS).
	21	17 18 55.3	23.904 S	66.609 W		213	4.6	0.7		26	CALIFORNIA-NEVADA BORDER REGION. ML 4.4 (BRK), 4.0 (PAS). Mo=2.1*10**22 (BRK)
	21	17 20 00.4	37.470 N	118.321 W		10 G		0.6		6	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (BRK).
	21	17 30 30.5	37.614 N	118.318 W		10 G		1.3		20	JUJUY PROVINCE, ARGENTINA
	21	17 48 55.9	37.597 N	118.354 W		10 G		0.9		12	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (NEIS), 3.9 (PAS).
	21	17 53 03.1	37.634 N	118.397 W		10 G		0.6		12	CALIFORNIA-NEVADA BORDER REGION. ML 3.9 (BRK), 3.4 (PAS).
	21	18 13 57.5*	37.664 N	118.487 W		10 G		0.8		23	CALIFORNIA-NEVADA BORDER REGION. ML 4.3 (BRK), 4.2 (PAS). Mo=1.9*10**22 (BRK).
	21	18 17 20.2&	32.980 N	117.770 W		10		0.7		13	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK).
	21	18 18 33.9&	37.580 N	118.420 W		6 G		1.3		7	CALIFORNIA-NEVADA BORDER REGION. ML 4.1 (BRK), 3.5 (PAS).
	21	18 20 08.4&	37.580 N	118.428 W		6 G				2	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	21	18 29 30.9&	33.010 N	117.810 W		10				8	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.7 (BRK), 3.4 (PAS).
	21	19 46 08.8	0.356 N	125.943 E		74 ?	4.6			3	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS)
	21	20 27 16.1*	36.880 S	70.658 W		172 *	4.1			12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS)
	21	20 36 05.4	37.565 N	118.368 W		10 G		1.2		23	MOLUCCA PASSAGE
	21	20 40 25.2	37.483 N	118.282 W		10 G		0.9		20	CHILE-ARGENTINA BORDER REGION
	21	20 46 52.9*	17.609 S	179.878 W		546	4.6	0.5		12	CALIFORNIA-NEVADA BORDER REGION. ML 4.0 (BRK), 3.8 (PAS).
	21	21 08 41.8	37.591 N	118.385 W		10 G		0.6		9	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK)
	21	21 51 44.7	37.626 N	118.377 W		10 G		1.0		50	FIJI ISLANDS REGION
	21	21 56 30.5?	23.99 S	68.29 W		33 N		0.4		16	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.9 (PAS).
	21	22 03 01.7*	48.007 N	146.032 E		478 ?	4.3	0.7		11	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK), 4.0 (PAS).
	21	22 07 01.4&	37.498 N	118.396 W		5 G		0.5		5	NORTHERN CHILE
o	21	22 07 18.0&	37.498 N	118.397 W		9 G	5.5 5.0	0.6		13	SEA OF OKHOTSK
	21	22 28 31.7&	37.580 N	118.420 W		6 G				16	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK).
	21	22 39 18.3&	37.580 N	118.428 W		6 G				185	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 5.6 (BRK), 5.4 (PAS). Mo=4.1*10**23 (BRK).
	21	22 41 56.6*	44.665 N	79.581 E		33 N	4.6			3	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS)
	21	23 43 04.8*	37.519 N	118.257 W		10 G				4	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS)
	22	00 09 53.6	37.606 N	118.489 W		5 G	4.0	0.7		45	EASTERN KAZAKH SSR
	22	00 11 07.6&	59.874 N	153.386 W		126		1.5		9	CALIFORNIA-NEVADA BORDER REGION. ML 4.1 (BRK), 4.1 (PAS).
	22	00 21 34.7	39.592 N	23.461 E		10 G		0.7		30	CALIFORNIA-NEVADA BORDER REGION. ML 4.5 (BRK), 4.6 (PAS).
	22	00 25 19.1&	36.080 N	117.850 W		6 G				29	SOUTHERN ALASKA. <AGS-P>
	22	00 27 23.7?	36.25 N	27.68 E		33 N		0.4		9	AEGEAN SEA. ML 3.0 (ATH)
	22	00 55 29.7	34.738 N	17.983 W		10 G	4.3			7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS)
	22	01 45 45.2	16.813 N	93.115 W		33 N	4.0	1.2		5	DODECANESE ISLANDS
	22	02 00 06.9*	51.445 N	175.712 W		33 N	4.8	1.2		76	MADEIRA ISLANDS REGION. Felt (III) on Madeira.
o	22	02 12 46.4	33.571 S	178.358 W		33 N	5.4 5.2	1.1		22	CHIAPAS, MEXICO
	22	02 17 05.9	37.618 N	118.346 W		10 G		1.0		32	ANDREANOF ISLANDS, ALEUTIAN IS.
								1.3		82	SOUTH OF KERMADEC ISLANDS
								0.5		14	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (BRK).

23	02 21 31.5	37.640 N	118.617 W	10 G				0.6	21	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.8 (PAS).
22	02 23 31.9	38.929 N	24.954 E	13				1.1	29	AEGEAN SEA. ML 3.8 (ATH).
22	03 07 10.6	37.604 N	118.483 W	10 G				0.5	20	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.8 (PAS).
22	03 08 41.7e	37.589 N	118.429 W	6 G					4	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (P
22	03 18 48.3	37.553 N	118.361 W	10 G				0.7	13	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (BRK).
22	04 09 22.4*	53.283 N	167.650 W	33 N	4.5			1.1	17	FOX ISLANDS, ALEUTIAN ISLANDS
22	04 31 58.6	39.422 N	28.384 E	10 G				0.9	14	TURKEY
22	04 56 44.5?	18.02 S	178.34 W	020 *	4.5			1.0	10	FIJI ISLANDS REGION
22	05 05 23.3e	37.588 N	118.420 W	6 G					5	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (P
22	05 16 58.79	19.84 N	62.11 W	30 *				1.4	7	LEEWARD ISLANDS. ML 2.8 (PDF).
22	05 24 00.1	37.594 N	118.337 W	10 G				0.8	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.2 (PAS).
22	05 49 45.3	37.594 N	118.386 W	10 G				0.5	25	CALIFORNIA-NEVADA BORDER REGION. ML 4.1 (BRK), 3.9 (PAS).
22	06 12 27.1	38.471 N	141.910 E	102	4.4			0.9	21	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Ofunato, (II JMA) at Miyako and (I JMA) at Ishinomaki and Morioka.
22	06 21 52.5	37.452 N	118.348 W	10 G				0.7	28	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK), 4.1 (PAS).
22	06 33 39.3	37.549 N	118.351 W	10 G				0.5	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK).
22	06 58 11.2	37.604 N	118.391 W	10 G				1.3	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.1 (PAS).
22	07 14 04.4*	45.844 N	16.239 E	10 G				1.3	5	YUGOSLAVIA
22	08 29 18.7	37.579 N	118.396 W	10 G				1.0	25	CALIFORNIA-NEVADA BORDER REGION. ML 4.0 (BRK), 3.6 (PAS).
22	08 38 55.5e	32.868 N	117.818 W	10					3	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PA
22	09 34 18.3	37.464 N	118.288 W	10 G				0.5	18	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK), 3.1 (PAS).
22	10 02 24.77	31.47 S	69.28 W	110 ?				0.7	5	SAN JUAN PROVINCE, ARGENTINA
22	10 09 41.9e	37.580 N	118.420 W	6 G					3	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PA
22	10 14 24.9	6.513 S	154.989 E	56	5.9			1.0	37	SOLOMON ISLANDS. Felt (IV) at Ponguna, Bougainville.
22	10 21 49.8	36.936 N	121.454 W	5 G				0.6	9	CENTRAL CALIFORNIA. ML 2.7 (BRK).
22	10 25 52.5e	37.589 N	118.420 W	6 G					3	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PA
* 22	11 28 33.2	0.798 S	134.444 E	27 D	5.2 4.9			1.2	49	WEST IRIAN REGION
22	11 58 59.1	38.175 N	28.821 E	10 G				1.2	7	TURKEY
22	12 24 49.7	37.526 N	118.443 W	10 G	3.7			0.5	23	CALIFORNIA-NEVADA BORDER REGION. ML 4.4 (BRK), 4.6 (PAS). Mo=2.6*10**22 (BRK).
22	12 33 28.9e	37.589 N	118.420 W	6 G					3	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PA
22	12 36 44.5e	32.948 N	117.760 W	10					6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PA
22	13 33 59.5	37.526 N	118.429 W	10 G	4.2			0.8	28	CALIFORNIA-NEVADA BORDER REGION. ML 4.7 (BRK), 5.0 (PAS). Mo=4.8*10**22 (BRK).
22	13 44 04.8e	37.598 N	118.490 W	6					4	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PA
22	13 48 59.6	37.510 N	118.474 W	10 G	4.5			1.2	38	CALIFORNIA-NEVADA BORDER REGION. ML 5.1 (BRK), 5.2 (PAS).
22	13 57 34.6	37.559 N	118.424 W	10 G				0.3	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.4 (PAS).
22	14 40 45.6	37.616 N	118.378 W	10 G				0.7	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (HEIS).
22	15 24 23.8*	28.485 S	68.499 W	10 G				0.8	10	LA RIOJA PROVINCE, ARGENTINA
22	15 44 10.8*	31.257 S	68.327 W	100 ?				0.5	6	SAN JUAN PROVINCE, ARGENTINA
22	15 50 08.8*	33.657 S	178.488 W	33 N	5.0			1.4	15	SOUTH OF KERMADEC ISLANDS
22	16 20 38.7	37.522 N	118.276 W	10 G				0.8	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (HEIS).
22	17 12 01.5	37.528 N	118.385 W	10 G				0.5	20	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (BRK).
22	17 17 21.3	37.545 N	118.365 W	10 G				0.5	23	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK), 3.4 (PAS).
22	17 24 46.1*	31.594 S	68.878 W	100 ?				1.0	8	SAN JUAN PROVINCE, ARGENTINA
22	17 39 18.3	37.583 N	118.404 W	10 G				0.6	21	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.9 (PAS).
22	18 16 53.0	37.598 N	118.390 W	10 G				0.8	17	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK), 3.8 (PAS).
22	18 19 36.3	37.494 N	118.299 W	10 G				0.6	20	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK), 4.2 (PAS).
22	18 29 44.0	37.473 N	118.314 W	10 G	3.7			0.7	30	CALIFORNIA-NEVADA BORDER REGION. ML 4.7 (BRK), 4.4 (PAS).
22	19 13 26.7e	39.643 N	27.690 E	10 G				0.6	5	TURKEY
22	19 38 00.17	51.63 N	16.36 E	10 G				0.4	8	POLAND. MG 2.6 (KRA).
22	19 53 52.5*	4.365 N	75.919 W	170 *	4.7			1.0	11	COLOMBIA
22	20 11 33.8	37.629 N	118.411 W	10 G				0.4	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (BRK), 3.1 (PAS).
22	20 17 00.1	37.594 N	118.359 W	10 G	3.7			0.8	28	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK), 4.4 (PAS).
22	20 22 26.4	37.614 N	118.409 W	10 G				0.6	22	CALIFORNIA-NEVADA BORDER REGION. ML 4.3 (BRK), 4.2 (PAS).
22	20 49 15.1	37.514 N	118.279 W	10 G				0.5	19	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK), 3.5 (PAS).
22	21 26 38.27	5.86 S	132.46 E	33 N	4.4			1.4	6	ARGE ISLANDS REGION
22	22 06 41.8	37.513 N	118.294 W	10 G				0.5	18	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK).
22	22 49 00.5e	32.931 N	80.168 W	6					5	SOUTH CAROLINA. <GLD>. MD 1.8 (GLD).
22	23 38 16.6	37.502 N	118.314 W	10 G				0.6	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS).
22	23 40 55.4	37.843 N	29.185 E	29	4.3			1.1	37	IONIAN SEA. ML 4.8 (ATH).
23	00 08 41.4	51.438 N	176.194 W	33 N	5.2			0.8	32	ANDREANOF ISLANDS, ALEUTIAN IS.
23	00 52 31.0*	2.462 S	102.478 E	58	4.5			0.6	12	SOUTHERN SUMATERA
23	02 12 13.6	37.518 N	118.429 W	10 G				0.6	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.5 (PAS).
23	02 27 40.0	32.419 S	72.886 W	33 N				0.9	17	OFF COAST OF CENTRAL CHILE
23	02 36 21.4*	1.195 S	127.667 E	33 N	4.8			1.1	11	HALMAHERA
23	02 57 58.5e	32.968 N	117.818 W	10					13	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.5 (PAS)
23	02 58 20.4	37.556 N	118.358 W	10 G				0.6	16	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.4 (PAS).
23	03 01 02.4	37.626 N	118.418 W	10 G				0.7	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK), 3.2 (PAS).
23	03 47 48.3	51.191 N	176.182 W	33 N	4.9 4.3			1.0	67	ANDREANOF ISLANDS, ALEUTIAN IS.

	23	03 53 34.7	43.279 N	20.965 E	10 G	3.1		1.2	43	YUGOSLAVIA. ML 3.0 (TTG). Some houses destroyed and roads damaged in the Brasco-Kosovo area.
	23	05 10 33.9?	26.87 N	93.04 E	33 N	5.4		1.5	?	BURMA-INDIA BORDER REGION
	23	06 17 53.6	37.535 N	118.329 W	10 G			0.7	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (NEIS)
o	23	07 35 27.3	61.934 S	154.774 E	10 G	5.4 5.7		1.0	74	BALLENY ISLANDS REGION
	23	07 39 09.8	38.053 N	119.539 W	5 G			0.7	13	CALIFORNIA-NEVADA BORDER REGION. ML 4.3 (BRK)
	23	07 41 43.3?	43.49 N	5.61 E	10 G			1.6	5	NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG).
	23	08 19 58.1	40.078 N	15.657 E	15	4.5		1.1	69	SOUTHERN ITALY. ML 4.8 (TRI). MD 4.5 (TTG). Slight damage at Potenza.
	23	08 56 27.7	37.584 N	118.300 W	10 G			0.8	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (NEIS)
	23	09 05 41.5&	40.124 N	29.289 E	10 G			0.5	10	TURKEY
	23	09 26 37.6	37.687 N	118.381 W	10 G			0.5	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS)
	23	10 25 46.4	39.515 N	28.378 E	10 G			1.2	7	TURKEY
	23	10 26 38.0	20.527 S	177.770 W	557	5.0		1.1	44	FIJI ISLANDS REGION
	23	10 29 01.9&	33.010 N	117.830 W	10				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS)
	23	11 03 09.9+	31.639 S	67.891 W	33 N			0.9	5	SAN JUAN PROVINCE, ARGENTINA
	23	11 06 55.7	21.292 S	68.948 W	147 +	4.3		0.8	10	CHILE-BOLIVIA BORDER REGION
	23	11 34 16.7+	23.385 S	66.539 W	228 +	4.1		1.5	13	JUJUY PROVINCE, ARGENTINA
	23	12 11 42.5	40.710 N	29.826 E	10 G			0.8	11	TURKEY
	23	12 32 53.9+	36.683 N	71.347 E	175 ?	4.6		0.9	11	AFGHANISTAN-USSR BORDER REGION
	23	12 55 46.1+	8.711 S	105.253 E	33 N	4.7		1.2	20	SOUTH OF JAVA
	23	12 59 32.7&	60.344 N	152.283 W	75				22	SOUTHERN ALASKA. <AGS-P>
	23	15 39 11.6	37.517 N	118.489 W	10 G	4.1		1.1	29	CALIFORNIA-NEVADA BORDER REGION. ML 4.7 (BRK), 4.9 (PAS).
	23	15 57 26.3+	14.684 N	119.374 E	33 N	4.8		1.1	6	LUZON, PHILIPPINE ISLANDS
	23	16 26 34.7	1.812 N	126.321 E	63 +	4.7		1.1	45	MOLUCCA PASSAGE
	23	16 27 41.0	37.597 N	118.426 W	10 G			0.5	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK)
	23	17 20 14.7	38.934 N	21.971 E	10 G			1.1	9	GREECE
	23	17 22 16.8&	32.990 N	117.760 W	10				10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS)
	23	18 20 59.8?	31.01 S	68.89 W	33 N			0.9	6	SAN JUAN PROVINCE, ARGENTINA
	23	20 16 07.7	18.840 S	69.410 W	151	4.6		1.1	24	NORTHERN CHILE
	23	20 47 10.9&	59.428 N	6.599 E	10 G			0.8	6	SOUTHERN NORWAY. MD 2.4 (BER)
	23	22 01 49.7	37.584 N	118.386 W	10 G			0.4	14	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (PAS)
	23	22 34 33.5	37.496 N	118.382 W	10 G			0.5	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (NEIS)
	24	00 00 23.8?	18.16 S	178.71 W	615 ?	4.5		1.3	14	FIJI ISLANDS REGION
	24	00 33 17.3+	32.794 S	68.741 W	33 N			0.4	5	MENDOZA PROVINCE, ARGENTINA
	24	00 38 34.7&	34.010 N	116.650 W	6				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS)
	24	00 42 01.3+	51.481 N	176.693 W	33 N	4.9 4.5		1.0	31	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.3 (PWR). Felt on Adak and Atka.
	24	01 17 09.8	37.596 N	118.393 W	10 G			0.6	22	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK)
	24	01 58 23.1&	33.970 N	116.560 W	9				12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS)
	24	02 35 54.5+	7.079 S	129.493 E	112 +	5.0		1.5	18	BANDA SEA
	24	02 43 11.2	37.583 N	118.417 W	10 G			0.8	28	CALIFORNIA-NEVADA BORDER REGION. ML 4.1 (BRK), 4.2 (PAS).
	24	03 05 32.17	56.49 N	153.07 W	33 N	4.3		1.3	17	KODIAK ISLAND REGION. ML 3.6 (PWR)
	24	03 08 53.8+	6.684 S	155.882 E	48 +	4.5		0.2	6	SOLOMON ISLANDS
	24	03 26 01.5	37.514 N	118.387 W	10 G			0.5	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (NEIS)
	24	04 15 49.7?	7.53 S	122.38 E	253 ?	4.4		1.1	8	FLORES SEA
	24	04 16 51.3	14.283 N	93.128 W	33 N	4.5		1.1	40	NEAR COAST OF CHIAPAS, MEXICO
	24	04 39 53.7+	38.153 N	72.396 E	33 N	4.6		0.4	8	TAJIK SSR
	24	05 02 41.17	43.79 N	87.25 E	33 N	4.5		0.5	6	NORTHERN XINJIANG, CHINA
	24	05 13 54.6&	59.896 N	153.277 W	115				27	SOUTHERN ALASKA. <AGS-P>
	24	06 05 46.9?	25.26 N	109.62 W	10 G	4.4		1.3	17	GULF OF CALIFORNIA
	24	06 10 05.1	37.479 N	118.316 W	10 G			0.4	21	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK), 3.8 (PAS).
	24	06 14 04.6	15.482 S	167.692 E	139 +	5.0		1.2	54	VANUATU ISLANDS
	24	06 24 58.6&	46.284 N	2.832 E	10 G			0.3	11	FRANCE. ML 2.5 (LDG).
	24	06 36 38.9&	42.377 N	19.945 E	10 G			0.6	7	YUGOSLAVIA. ML 2.6 (TTG).
	24	07 28 12.4+	21.539 S	68.672 W	256 +	4.6		1.1	10	SOUTHERN BOLIVIA
	24	07 52 26.6	37.359 N	121.722 W	5 G			1.0	10	CENTRAL CALIFORNIA. ML 2.7 (BRK)
	24	09 22 38.8	37.568 N	118.387 W	10 G			0.6	17	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK)
	24	10 00 08.9	37.638 N	118.391 W	5 G			0.5	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (NEIS).
	24	10 35 05.0+	18.137 S	68.838 W	33 N			0.2	5	BOLIVIA
	24	10 53 24.3	6.747 S	129.559 E	212 +	4.4		1.0	13	BANDA SEA
	24	11 11 42.2	23.412 S	179.856 E	556	4.9		0.9	51	SOUTH OF FIJI ISLANDS
	24	11 16 09.0?	53.33 N	167.73 W	33 N	4.3		1.0	12	FOX ISLANDS, ALEUTIAN ISLANDS
	24	11 34 51.5	37.530 N	118.367 W	10 G			0.9	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS).
	24	14 03 26.8	51.669 N	175.254 W	33 N	4.9 4.5		1.2	71	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PWR). Felt on Adak and Atka.
	24	14 16 34.6+	14.344 N	92.945 W	33 N	4.4		1.3	28	NEAR COAST OF CHIAPAS, MEXICO
	24	14 58 45.2	37.514 N	118.289 W	10 G			0.7	16	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK), 3.5 (PAS).
	24	15 05 00.0&	37.143 N	116.071 W	0	4.4			47	SOUTHERN NEVADA. <DOE>. ML 4.4 (BRK). 37° 08' 33.89" N., 116° 04' 16.02" W., Surface Elev. 1314 m., Depth of Burial 600 m., Shot Time 150500.086, "CORNUCOPIA", Nevada Test Site (Dept. of Energy).
	24	15 28 55.5&	62.480 N	149.265 W	66				37	CENTRAL ALASKA. <AGS-P>
	24	16 10 42.6	28.434 N	139.166 E	505 +	4.8		0.9	29	BONIN ISLANDS REGION
	24	16 37 42.2&	62.450 N	148.196 W	43				29	CENTRAL ALASKA. <AGS-P>
	24	16 44 48.7	37.529 N	118.398 W	10 G			0.5	17	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK)
	24	17 44 38.1	37.672 N	20.851 E	33 N	4.1		1.3	61	IONIAN SEA. ML 4.8 (ATH).
	24	17 54 54.9	37.589 N	118.385 W	10 G			1.1	6	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (NEIS)
	24	19 03 25.9	37.467 N	118.297 W	10 G			0.7	18	CALIFORNIA-NEVADA BORDER REGION. ML 4.3 (BRK), 4.0 (PAS).
	24	19 58 51.0	37.485 N	118.315 W	10 G			0.8	7	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS)
	24	20 22 11.3&	32.980 N	117.770 W	10				7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS)
	24	20 36 09.6	37.577 N	118.402 W	10 G			0.6	14	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (BRK)
	24	21 30 15.3&	58.425 N	152.128 W	55				21	KODIAK ISLAND REGION. <AGS-P>
	24	21 42 23.9	37.598 N	118.366 W	10 G			0.6	6	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS)
	24	22 57 55.1	37.516 N	118.376 W	10 G			0.5	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (NEIS)
	24	23 23 26.6+	46.129 N	12.394 E	10 G			1.2	6	NORTHERN ITALY. ML 2.5 (KBA).
	24	23 24 14.0?	6.38 N	123.89 E	536 ?	4.8		0.6	11	MINDANAO, PHILIPPINE ISLANDS
	25	00 31 31.5&	33.000 N	117.798 W	10				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS)

	25	01	53	27	07	36	03	N	139	65	E	33	N		1.2	4	HONSHU, JAPAN. Felt (I JMA) at Mito
	25	02	24	02	.3	42	057	N	10	422	E	10	G		0.9	8	YUGOSLAVIA. ML 2.5 (TTG)
	25	02	52	35	47	40	28	N	15	00	E	10	G		0.8	5	SOUTHERN ITALY
	25	03	56	00	00	32	000	N	117	000	W	10				7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS)
	25	05	44	03	50	34	440	N	118	420	W	6				12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt (III) of Canyon Country and (II) of Leona Valley.
	25	06	10	31	.2	37	584	N	118	416	W	10	G		0.7	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (PAS).
o	25	09	01	32	.4	51	247	N	178	173	W	33	N	5.3 5.6	1.0	193	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.3 (PMR), Ms 5.6 (BRK). Felt (IV) on Adak
	25	09	04	16	.5	51	223	N	178	035	W	33	N	5.4 5.6	0.9	95	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak
	25	09	22	38	.0	7	897	S	145	654	E	65	•	4.8	1.2	15	NEAR S COAST OF PAPUA NEW GUINEA
	25	09	31	29	.7	37	954	N	118	397	W	10	G		0.2	6	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (NEIS).
	25	10	00	33	0•	51	754	N	175	648	W	33	N	4.6	1.1	14	ANDREANOF ISLANDS, ALEUTIAN IS.
	25	10	00	05	.7	28	005	N	57	287	E	34	D	5.2	1.0	135	SOUTHERN IRAN
	25	10	11	04	.6	37	000	N	118	427	W	10	G		0.8	21	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.2 (PAS).
	25	10	17	26	29	46	002	N	3	273	E	10	G		0.3	10	FRANCE. ML 1.9 (LDG).
	25	10	17	53	4•	31	229	S	68	009	W	10	G		0.7	7	SAN JUAN PROVINCE, ARGENTINA
	25	10	35	49	57	33	57	S	178	79	W	33	N	4.6	0.8	7	SOUTH OF KERMADEC ISLANDS
	25	10	47	41	29	46	471	N	2	973	E	10	G		0.3	11	FRANCE. ML 3.0 (LDG).
	25	11	02	05	.9	37	004	N	118	423	W	10	G		0.5	7	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (NEIS).
	25	11	29	35	3a	34	140	N	117	460	W	6	G			9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	25	11	39	09	4a	34	040	N	116	500	W	6	G			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	25	14	39	03	8•	26	548	N	126	199	E	33	N	4.1	1.4	6	RYUKYU ISLANDS
	25	15	27	32	.37	13	84	N	93	02	W	33	N	3.4	1.1	13	OFF COAST OF CHIAPAS, MEXICO
	25	15	33	05	5%	46	477	N	2	957	E	10	G		0.5	7	FRANCE. ML 2.1 (LDG).
	25	17	17	02	.07	4	.73	N	95	.11	E	87	?	4.3	1.3	13	NORTHERN SUMATERA
	25	17	21	18	.9	63	.121	N	151	.123	W	33	N		0.7	7	CENTRAL ALASKA. ML 3.3 (PMR).
	25	20	05	22	.27	19	.41	S	175	.88	W	237	?	4.9	1.2	16	TONGA ISLANDS
	25	20	43	58	.67	45	.27	N	10	.42	E	10	G		1.0	6	YUGOSLAVIA. ML 2.8 (KBA).
	25	20	58	53	.07	4	.98	S	150	.62	E	56	?	3.7	1.0	8	NEW BRITAIN REGION
	25	21	15	32	.2•	49	795	N	10	582	E	10	G		1.1	7	CZECHOSLOVAKIA. ML 2.8 (VKA), 2.6 (KBA).
	25	21	33	23	.5•	2	.494	S	139	.166	E	33	N	4.6	1.1	15	NEAR N COAST OF WEST IRIAN
	25	21	35	35	.07	15	.92	N	60	.35	W	33	N		0.2	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	25	21	51	58	.6a	32	950	N	117	700	W	10				5	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	25	21	52	21	.8	31	942	S	178	164	W	33	N	5.8 4.8	1.1	26	KERMADEC ISLANDS REGION
	25	22	17	32	.7	48	922	N	0	062	E	10	G		1.1	15	FRANCE. ML 3.0 (LDG).
	25	22	50	35	.1	31	185	S	68	453	W	100	•		0.9	16	SAN JUAN PROVINCE, ARGENTINA
	25	23	25	03	1•	11	581	N	142	011	E	33	N	4.1	1.2	9	SOUTH OF MARIANA ISLANDS
	25	23	27	22	.2	51	.101	N	179	.919	W	33	N	4.7	0.8	36	ANDREANOF ISLANDS, ALEUTIAN IS.
o	25	23	41	00	.6	26	384	N	125	917	E	22		5.6 6.2	1.2	185	NORTHEAST OF TAIWAN
	26	00	00	40	.07	36	.41	N	64	.68	E	33	N	3.9	1.1	7	TURKMEN-AFGHANISTAN BORDER REG.
	26	01	11	49	.9a	32	000	N	117	020	W	10				7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	26	01	19	49	.27	30	.84	S	177	.71	W	33	N	4.9	1.4	14	KERMADEC ISLANDS
	26	01	28	37	.57	30	.06	S	178	.14	W	33	N	4.6	1.2	9	KERMADEC ISLANDS
	26	01	28	50	.7•	30	471	S	177	432	W	33	N	5.3	1.6	19	KERMADEC ISLANDS
	26	01	51	35	.17	31	.20	S	177	.04	W	33	N	4.8	0.6	6	KERMADEC ISLANDS REGION
	26	02	00	10	.8	0	.284	S	123	000	E	194	•	4.9	1.0	20	MINAHASSA PENINSULA
	26	02	43	37	.6a	34	010	N	116	650	W	6	G			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	26	03	22	54	.1a	61	.843	N	150	.671	W	53				30	SOUTHERN ALASKA. <AGS-P>.
	26	03	26	09	.2•	26	667	N	126	120	E	33	N	4.2	1.2	7	RYUKYU ISLANDS
	26	03	32	23	.7•	3	.137	S	143	383	E	10	G	4.8	1.0	9	NEAR N COAST OF PAPUA NEW GUINEA
	26	04	17	23	.8a	34	591	N	98	620	W	5	G			9	OKLAHOMA. <TUL>. mbLg 2.3 (TUL).
	26	04	33	06	.57	30	.07	S	177	.13	W	33	N	4.9	0.7	6	KERMADEC ISLANDS
	26	05	48	31	.4a	34	010	N	116	560	W	6	G			5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	26	06	03	57	.5•	30	910	S	177	934	W	33	N	4.9	1.2	11	KERMADEC ISLANDS
	26	06	15	37	.1a	60	.004	N	152	.823	W	92				41	SOUTHERN ALASKA. <AGS-P>.
	26	06	54	15	.07	7	.75	S	127	.70	E	107	?		1.1	6	BANDA SEA
	26	07	12	15	.9	37	529	N	121	645	W	5	G		0.8	13	CENTRAL CALIFORNIA. ML 3.1 (BRK).
	26	07	40	41	.07	37	.00	N	21	.30	E	33	N	3.3	1.1	8	SOUTHERN GREECE. ML 3.6 (ATH).
	26	07	46	46	.07	17	.91	N	65	.40	W	33	N		0.6	7	PUERTO RICO REGION
	26	08	02	33	.07	31	.29	S	177	.02	W	33	N	4.6	0.9	7	KERMADEC ISLANDS REGION
	26	08	04	03	.6	46	.216	N	8	.548	E	10	G		1.2	5	SWITZERLAND
	26	08	41	14	.7	31	.710	S	117	.062	E	10	G		0.2	6	WESTERN AUSTRALIA
	26	08	43	17	.6•	5	.105	S	153	.328	E	103	•	4.4	1.2	9	NEW IRELAND REGION
	26	08	43	56	.27	30	.22	S	177	.97	W	33	N	4.4	1.4	6	KERMADEC ISLANDS
	26	09	15	25	.4a	60	.424	N	151	.724	W	81				32	KENAI PENINSULA, ALASKA. <AGS-P>.
	26	09	18	48	.4	37	.248	N	21	.495	E	58	•	3.6	1.2	19	SOUTHERN GREECE
	26	10	27	48	.7•	31	.758	S	67	.815	W	10			1.5	9	SAN JUAN PROVINCE, ARGENTINA
	26	11	05	15	.4	44	.210	N	10	.322	E	10	G		1.2	20	NORTHERN ITALY. ML 3.3 (LDG).
	26	11	43	11	.3	30	.475	S	177	.743	W	33	N	5.1 4.6	1.2	48	KERMADEC ISLANDS
	26	12	32	58	.77	29	.78	S	177	.71	W	33	N	4.4	0.5	5	KERMADEC ISLANDS
	26	12	53	36	.47	0	.49	S	122	.16	E	33	N	4.4	0.9	5	MINAHASSA PENINSULA
	26	13	42	53	.4	41	.147	N	7	.141	W	10	G		0.4	6	PORTUGAL. MG 3.2 (MDD).
	26	13	45	56	.1•	42	.367	N	19	.936	E	10	G		0.3	5	YUGOSLAVIA. ML 2.6 (TTG).
	26	13	55	13	.37	28	.93	S	72	.62	W	33	N		1.2	13	OFF COAST OF CENTRAL CHILE
	26	14	21	38	.7	39	.398	N	28	.389	E	10	G		1.1	17	TURKEY
	26	14	39	40	.7	37	.526	N	118	.487	W	10	G		0.8	24	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK), 4.2 (PAS).
	26	14	48	22	.6•	7	.486	S	129	.957	E	113	•	4.8	1.2	13	BANDA SEA
	26	14	46	18	.9	48	.422	N	137	.078	E	310	•	5.3	0.8	145	NEAR E. COAST OF EASTERN USSR
	26	14	49	38	.3•	30	.451	S	177	.725	W	33	N	5.4 4.8	1.4	39	KERMADEC ISLANDS
	26	18	07	46	.77	30	.39	S	177	.95	W	33	N	4.6	1.4	7	KERMADEC ISLANDS
	26	18	38	18	.7•	60	.446	N	148	.848	W	33	N		1.1	7	KENAI PENINSULA, ALASKA. ML 3.5 (PMR).
	26	18	52	44	.8	53	.280	N	167	.191	W	33	N	4.7 4.4	0.9	68	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.8 (PMR).
	26	19	22	27	.07	17	.04	N	62	.07	W	33	N		0.2	5	LEEWARD ISLANDS. ML 3.7 (FDF).
	26	19	52	51	.3%	46	.343	N	1	.431	E	10	G		0.9	13	FRANCE. ML 2.9 (LDG).
q	26	20	07	02	.6	18	.066	S	173	.202	W	33	N	5.2	1.3	103	TONGA ISLANDS
q	26	20	24	47	.8	23	.753	N	94	.177	E	27		5.2 5.1	1.0	147	BURMA-INDIA BORDER REGION
	26	21	58	47	.4	37	.615	N	118	.393	W	10	G		0.7	22	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.1 (PAS).
	26	22	13	04	.8a	59	.158	N	136	.084	W	30				5	SOUTHEASTERN ALASKA. <AGS-P>.
	26	22	55	02	.5	46	.411	N	13	.700	E	10	G		0.7	7	AUSTRIA. ML 3.0 (VKA), 2.7 (KBA), 2.6 (FUR). Felt at

	27	00 01 55.3&	59.824	N	152.946	W	113						Kronjoka Gora and Bolsoj, Yugoslavia
	27	01 21 56.8?	18.79	S	172.63	W	33	N	5.0			33	SOUTHERN ALASKA. <AGS-P>
	27	01 55 29.3	37.542	N	118.445	W	10	G		1.4		19	TONGA ISLANDS REGION
										1.0		21	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (BRK), 3.6 (PAS).
	27	01 59 43.2	18.282	S	172.897	W	33	N	5.0	1.4		24	TONGA ISLANDS REGION
	27	02 38 18.3•	23.277	S	66.671	W	229		4.2	1.0		11	JUJUY PROVINCE, ARGENTINA
	27	02 44 27.8	42.367	N	20.893	E	10	G		0.5		10	YUGOSLAVIA. ML 2.8 (ZTG).
	27	02 54 34.4•	18.054	S	76.356	W	33	N	4.7	0.9		8	PERU
	27	03 18 14.9•	51.054	N	176.132	W	33	N	4.4	0.9		14	ANDREANOF ISLANDS, ALEUTIAN IS
	27	03 35 15.7?	16.96	S	72.51	W	33	N		0.5		8	NEAR COAST OF PERU. Felt (II) at Arequipa
	27	03 49 48.5	37.367	N	118.217	W	10	G		0.5		24	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK)
	27	04 16 15.5?	31.83	S	67.90	W	10	G	4.6	0.9		9	SAN JUAN PROVINCE, ARGENTINA
	27	04 22 18.6&	32.900	N	117.820	W	10					6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS)
	27	04 26 59.6	31.218	S	68.663	W	116	•		0.9		10	SAN JUAN PROVINCE, ARGENTINA
	27	04 30 36.8	38.264	S	177.432	W	33	N	5.2	1.1		14	KERMADEC ISLANDS
	27	04 55 38.7?	52.78	N	169.73	W	33	N	4.4	1.4		10	FOX ISLANDS, ALEUTIAN ISLANDS
	27	06 13 47.9	35.823	N	139.887	E	130		4.3	0.5		14	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito and Utsunomiya
	27	06 38 11.3?	33.36	S	178.83	W	33	N	4.8	1.2		9	SOUTH OF KERMADEC ISLANDS
	27	06 38 25.8•	5.290	N	73.176	W	33	N		1.3		6	COLOMBIA
	27	07 18 49.6	37.583	N	118.317	W	10	G		0.6		10	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (NEIS)
	27	07 31 07.2&	60.581	N	153.034	W	139					24	SOUTHERN ALASKA. <AGS-P>
	27	08 47 29.9	37.574	N	118.347	W	10	G		0.4		9	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (NEIS).
	27	10 04 42.7&	61.987	N	149.688	W	44					30	SOUTHERN ALASKA. <AGS-P>
	27	10 08 02.3	37.537	N	118.314	W	10	G		0.8		24	CALIFORNIA-NEVADA BORDER REGION. ML 3.9 (BRK), 4.0 (PAS).
o	27	10 43 26.0	25.848	S	177.498	W	147	G	5.8	1.1		217	SOUTH OF FIJI ISLANDS. Depth from broadband displacement seismograms.
	27	10 47 45.2?	15.99	S	178.07	E	33	N		0.5		7	FIJI ISLANDS
	27	12 36 04.1•	17.437	S	71.834	W	85	•		0.4		8	NEAR COAST OF PERU
	27	12 43 47.5	39.466	N	28.262	E	10	G		1.1		11	TURKEY
o	27	12 58 17.6	33.119	S	178.594	W	33	N	5.1 4.7	1.2		36	SOUTH OF KERMADEC ISLANDS
	27	15 35 59.3	17.708	N	69.918	W	47		4.9	0.6		88	DOMINICAN REPUBLIC REGION. Felt in the Santo Domingo area.
	27	16 48 00.8•	23.930	N	122.629	E	33	N	4.2	0.4		7	TAIWAN REGION
	27	17 39 02.5•	34.580	N	88.158	E	33	N	4.7	1.1		13	TIBET
	27	17 48 22.5?	16.59	N	99.35	W	33	N	4.4	1.0		19	NEAR COAST OF GUERRERO, MEXICO
	27	17 50 31.2&	60.411	N	152.973	W	118					22	SOUTHERN ALASKA. <AGS-P>
	27	18 09 11.3?	18.87	S	172.62	W	33	N	4.2	1.2		8	TONGA ISLANDS REGION
	27	18 09 21.7•	18.455	S	172.732	W	33	N	4.5 4.6	1.1		20	TONGA ISLANDS REGION
	27	18 58 27.8?	18.15	S	172.91	W	33	N	4.9	1.3		14	TONGA ISLANDS REGION
	27	20 17 55.3•	40.995	N	28.344	E	10	G		0.4		5	TURKEY
	27	22 37 30.3	38.229	N	22.760	E	10	G		0.6		8	GREECE. ML 3.1 (ATH).
	27	22 58 39.1	37.523	N	121.680	W	10	G		0.5		12	CENTRAL CALIFORNIA. ML 2.8 (BRK)
	27	23 37 41.6•	20.822	S	178.801	W	596		4.7	0.8		34	FIJI ISLANDS REGION
	27	23 47 33.1•	33.308	S	178.476	W	33	N	4.9 5.0	1.3		21	SOUTH OF KERMADEC ISLANDS
	28	00 23 16.9&	62.798	N	151.286	W	46					18	CENTRAL ALASKA. <AGS-P>
	28	00 31 19.7	44.714	N	10.333	E	10	G		1.4		23	NORTHERN ITALY. ML 3.3 (LDG), 3.1 (KBA)
	28	00 43 36.3	32.480	N	130.524	E	14		4.5	1.0		19	KYUSHU, JAPAN. Felt (III JMA) at Kumamoto, (II JMA) at Asoson, Fukuoka, Nobeoka, Saga and Unzendake, and (I JMA) at Nagasaki
	28	00 47 35.1•	6.527	S	130.658	E	58	?	4.5	1.5		11	BANDA SEA
	28	01 04 32.6?	28.38	N	52.00	E	33	N	3.5	1.3		5	SOUTHERN IRAN
	28	01 19 14.2	33.545	N	87.860	E	33	N	4.8	0.8		69	TIBET
	28	02 04 50.9?	29.10	S	176.36	W	33	N	4.7 4.4	1.6		8	KERMADEC ISLANDS REGION
	28	02 54 45.9&	32.940	N	117.820	W	10					20	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.6 (PAS)
	28	03 03 24.4?	33.31	S	71.86	W	33	N		1.2		10	NEAR COAST OF CENTRAL CHILE
	28	03 29 56.0	33.276	S	72.045	W	41	•	4.7 4.7	1.1		42	OFF COAST OF CENTRAL CHILE. Felt (III) at Santiago.
	28	03 54 19.2?	33.47	S	72.60	W	33	N		0.4		8	OFF COAST OF CENTRAL CHILE
	28	03 56 08.7?	33.45	S	72.63	W	33	N		0.5		8	OFF COAST OF CENTRAL CHILE
o	28	04 06 50.2	51.599	N	174.096	W	33	N	5.4 4.8	0.9		196	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 4.8 (BRK), ML 4.5 (PMR). Felt (II) on Adak.
	28	04 54 15.8•	51.871	N	175.992	W	33	N	4.8 4.8	1.1		30	ANDREANOF ISLANDS, ALEUTIAN IS.
	28	05 01 59.6	52.862	N	166.590	W	33	N	5.0 4.6	0.9		95	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR). Felt at Unalaska.
	28	05 49 19.0?	33.48	S	72.48	W	33	N		0.5		7	OFF COAST OF CENTRAL CHILE
	28	05 53 30.2•	45.496	N	26.530	E	33	N		0.8		5	ROMANIA
	28	07 02 37.8•	28.417	S	69.501	W	138	?		1.3		11	CHILE-ARGENTINA BORDER REGION
	28	08 28 20.8&	62.135	N	149.778	W	50					33	CENTRAL ALASKA. <AGS-P>.
	28	09 04 42.5•	2.404	S	128.118	E	33	N	4.3	1.2		12	CERAM SEA
	28	09 26 03.8%	39.130	N	29.619	E	10	G		0.8		11	TURKEY
	28	09 30 58.0?	6.39	S	150.37	E	33	N	3.8	1.4		6	NEW BRITAIN REGION
	28	10 16 09.8?	45.53	N	26.52	E	145	?		0.4		8	ROMANIA
	28	10 33 09.3&	32.900	N	117.850	W	10					7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS)
	28	10 48 52.1	34.257	N	9.474	E	10	G	4.4	1.1		34	TUNISIA
	28	11 03 19.6•	2.373	S	128.191	E	33	N	4.5	1.3		18	CERAM SEA
	28	11 48 33.1	39.148	S	174.796	E	137	•	4.5	1.3		17	NORTH ISLAND, NEW ZEALAND. Felt in the southern part of North Island
	28	13 39 07.7•	36.465	N	134.175	E	33	N		1.2		6	SEA OF JAPAN. Felt (II JMA) at Tottori and (I JMA) at Saigo.
	28	13 58 55.3&	59.848	N	153.400	W	124					39	SOUTHERN ALASKA. <AGS-P>.
	28	14 00 57.4&	32.950	N	117.720	W	10					6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS)
	28	14 24 01.8?	33.54	S	72.34	W	33	N		1.0		8	OFF COAST OF CENTRAL CHILE
	28	14 31 14.1&	60.577	N	150.386	W	47		4.4			56	KENAI PENINSULA, ALASKA. <AGS-P> Felt (IV) at Anchorage. Also felt at Homer, Kenai, Palmer and Seward.
	28	16 57 53.2	24.072	S	67.099	W	200	•		0.5		7	CHILE-ARGENTINA BORDER REGION
	28	17 20 02.3	32.910	S	72.517	W	33	N	4.1	0.7		14	OFF COAST OF CENTRAL CHILE
	28	18 46 49.3	42.375	N	19.913	E	10	G		0.5		9	YUGOSLAVIA. ML 2.5 (ZTG).
o	28	20 29 02.7	33.282	S	71.934	W	41	•	5.1 5.3	1.3		86	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Santo Domingo, Quillota, Vina del Mar and San Antonio, and (III) at Santiago and Valparaiso.

	29	29	20	00	24	33.400	S	72.879	W	33	m			0.7	9	OFF COAST OF CENTRAL CHILE
	29	29	43	50	01	33.50	S	72.78	W	33	m			0.3	9	OFF COAST OF CENTRAL CHILE
	29	29	44	40	40	39.500	N	29.300	E	10	G			0.5	5	TURKEY
	29	29	56	53	7	70.915	S	7.319	W	10	G	4.3	4.6	0.9	37	JAN MAYEN ISLAND REGION
	29	31	11	10	0	33.314	S	72.031	W	45	D	5.0	5.1	1.2	55	OFF COAST OF CENTRAL CHILE. Felt
	29	31	30	36	1s	33.412	S	72.139	W	33	m	4.3		1.0	15	OFF COAST OF CENTRAL CHILE. Felt.
s	29	31	57	13	0	51.778	N	175.301	W	33	m	5.4	4.9	0.9	147	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PAS). Felt on Adak.
	29	31	59	08	77	33.51	S	72.23	W	33	D			0.8	9	OFF COAST OF CENTRAL CHILE
	29	32	38	00	87	33.49	S	72.40	W	33	m			0.6	9	OFF COAST OF CENTRAL CHILE
	29	32	58	35	7	21.886	S	68.671	W	134		4.7		1.2	38	CHILE-BOLIVIA BORDER REGION
	29	33	31	22	6	51.001	N	5.519	E	10	G			0.8	6	NETHERLANDS
	29	33	39	10	1	51.748	N	175.283	W	33	m	4.7	4.3	1.1	63	ANDREANOF ISLANDS, ALEUTIAN IS
	29	33	38	51	5	39.447	N	28.291	E	10	G			1.3	11	TURKEY
	29	33	55	36	0s	33.510	S	72.538	W	33	D			0.7	12	OFF COAST OF CENTRAL CHILE
	29	34	16	55	1s	51.905	N	175.897	W	33	m	4.4		0.6	7	ANDREANOF ISLANDS, ALEUTIAN IS
	29	34	17	36	0	36.420	N	45.636	E	17		4.6		1.2	14	IRAN-IRAQ BORDER REGION
	29	34	28	26	19	23.63	S	70.78	W	10	G			1.7	9	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta.
	29	34	36	26	0s	37.931	N	28.893	E	10	G			0.2	5	TURKEY
	29	34	43	58	28	33.970	N	116.598	W	7					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	29	37	09	21	3s	7.336	S	129.872	E	95	?	4.6		0.8	7	BANDA SEA
	29	37	11	58	6	37.540	N	118.367	W	10	G			0.7	26	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK), 4.3 (PAS).
	29	37	54	28	1	34.937	N	26.221	E	51	s	4.8		0.8	26	CRETE
	29	38	07	23	1	33.427	S	72.413	W	33	m	4.3		1.0	17	OFF COAST OF CENTRAL CHILE
	29	38	13	02	77	33.54	S	72.20	W	33	M			0.7	9	OFF COAST OF CENTRAL CHILE
s	29	38	14	58	5	21.264	S	175.544	W	110	D	5.4		1.0	92	TONGA ISLANDS
	29	38	17	41	68	32.930	N	117.840	W	10		3.9			42	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.3 (PAS). Felt (V) at Oceanside, San Diego and Poway. Felt (IV) at Capistrano Beach, Escondido, San Marcos, Santee and Vista.
	29	38	50	48	87	31.66	S	68.27	W	129	s			0.3	7	SAN JUAN PROVINCE, ARGENTINA
	29	39	24	53	7	20.500	S	68.822	W	132	s	4.3		1.5	38	CHILE-BOLIVIA BORDER REGION
	29	39	32	32	68	32.940	N	117.810	W	10					6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS)
	29	39	56	24	57	2.28	S	77.91	W	190	?	4.4		1.2	13	PERU-ECUADOR BORDER REGION
	29	39	57	57	0	37.593	N	118.447	W	10	G	3.7		0.7	38	CALIFORNIA-NEVADA BORDER REGION. ML 4.6 (BRK), 4.8 (PAS). Felt (IV) at Bishop, California.
	29	39	58	32	1s	49.498	S	121.654	E	10	G	4.3		1.5	15	SOUTH OF AUSTRALIA
	29	10	22	58	4s	13.968	N	144.428	E	140		4.7		0.6	13	MARIANA ISLANDS
	29	11	22	22	56	32.930	N	117.830	W	10					13	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.5 (PAS)
o	29	11	57	47	5	17.622	S	178.517	W	560		5.1		0.9	110	FIJI ISLANDS REGION
	29	12	03	19	48	34.000	N	116.570	W	6	G				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	29	13	13	48	87	59.41	N	6.76	E	10	G			1.4	5	SOUTHERN NORWAY. MD 2.3 (BER).
	29	13	32	05	98	32.970	N	117.810	W	10	G				6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS)
	29	15	14	25	2	37.447	N	118.384	W	10	G			0.6	23	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK), 3.5 (PAS).
	29	19	21	33	5	42.381	N	19.951	E	10	G			0.4	7	YUGOSLAVIA. ML 2.5 (TTG).
	29	17	40	50	0	36.684	N	27.849	E	198		4.8		1.1	47	DODECANESE ISLANDS
	29	17	50	30	3s	33.504	S	72.351	W	12		4.1		1.0	14	OFF COAST OF CENTRAL CHILE
	29	18	25	49	0	43.927	N	147.126	E	73	D	4.8		0.9	63	KURIL ISLANDS. Felt (I JMA) at Kushiro and Nemuro, Hokkaido.
	29	19	04	18	9	44.247	N	114.136	W	5	G			0.9	10	WESTERN IDAHO. ML 3.5 (NEIS).
	29	21	34	18	47	12.30	S	77.96	W	33	M			0.5	6	NEAR COAST OF PERU. Felt (IV) at Lima.
	29	22	46	03	0	42.348	N	19.991	E	10	G			0.8	9	YUGOSLAVIA. ML 2.6 (TTG).
	29	23	50	38	06	32.980	N	117.800	W	10					5	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS)
	30	00	20	30	38	32.950	N	117.830	W	10					17	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS)
	30	00	29	50	86	62.549	N	151.412	W	95					17	CENTRAL ALASKA. <AGS-P>.
	30	00	46	50	1	37.561	N	118.455	W	10	G			0.7	22	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK), 3.3 (PAS).
	30	02	12	58	7	34.680	N	32.343	E	36		4.8		1.1	142	CYPRUS. ML 4.8 (JER), 4.4 (BHL). Felt at Paphos and Limassol.
	30	02	40	24	45	42.410	N	18.630	E	10	G			0.5	5	YUGOSLAVIA. ML 2.8 (TTG).
	30	03	03	20	9	7.214	S	129.422	E	152		5.3		1.1	73	BANDA SEA
o	30	04	02	53	4	18.048	S	174.884	W	174		5.8		0.8	71	TONGA ISLANDS
	30	04	03	24	8	33.160	N	75.793	E	33	N	4.6		0.6	18	EASTERN KASHMIR
	30	04	14	02	5s	44.578	N	5.862	E	10	G			0.3	6	FRANCE. ML 2.5 (LDG).
	30	04	38	22	0s	24.752	N	94.156	E	67	?			1.3	8	BURMA-INDIA BORDER REGION
	30	04	57	03	47	5.32	N	94.77	E	99	?	4.3		0.4	5	NORTHERN SUMATERA
	30	05	55	14	4	15.229	N	146.371	E	82	s	4.7		0.8	33	MARIANA ISLANDS
	30	06	03	32	1	37.633	N	118.483	W	10	G			0.5	27	CALIFORNIA-NEVADA BORDER REGION. ML 4.0 (BRK), 3.8 (PAS).
	30	06	09	16	07	30.19	S	75.71	W	33	N			0.9	11	OFF COAST OF CENTRAL CHILE
	30	06	41	52	7	37.562	N	118.424	W	10	G	4.1		0.9	44	CALIFORNIA-NEVADA BORDER REGION. ML 4.8 (BRK), 4.8 (PAS). Felt (V) at Benton, California and (IV) at Bishop, California.
	30	07	58	37	5s	38.118	N	72.293	E	33	N	4.3		0.7	5	TAJIK SSR
	30	08	19	06	5	42.481	N	111.223	W	5	G			0.6	9	EASTERN IDAHO. ML 3.5 (NEIS).
	30	09	12	26	8s	4.657	N	94.943	E	55	s	4.4		0.7	10	OFF W COAST OF NORTHERN SUMATERA
	30	11	10	06	6s	15.797	S	167.980	E	169	?	4.5		1.3	26	VANUATU ISLANDS
o	30	11	31	58	1	24.611	N	121.782	E	33	N	5.6	5.6	1.1	209	TAIWAN. Felt on eastern Taiwan.
	30	13	26	20	9	63.072	N	151.021	W	112	?			0.9	8	CENTRAL ALASKA
	30	14	03	53	66	62.439	N	148.182	W	42					32	CENTRAL ALASKA. <AGS-P>.
	30	14	20	58	5	42.371	N	19.979	E	10	G			0.6	8	YUGOSLAVIA. ML 2.4 (TTG).
	30	14	33	03	5s	39.098	N	27.709	E	10	G			0.6	5	TURKEY
	30	14	36	54	7s	20.746	S	169.318	E	61	s	4.5		1.2	31	VANUATU ISLANDS
	30	15	18	41	9s	10.991	S	166.359	E	33	N	4.4		1.2	23	SANTA CRUZ ISLANDS
	30	15	25	15	2s	5.983	S	148.758	E	81	?			1.0	8	EAST PAPUA NEW GUINEA REGION
	30	16	45	44	3	39.423	N	28.345	E	10	G			1.1	8	TURKEY
	30	17	01	17	5%	42.389	N	19.983	E	10	G			0.7	6	YUGOSLAVIA. ML 2.6 (TTG).
	30	17	59	39	77	59.40	N	6.71	E	10	G			0.8	6	SOUTHERN NORWAY. MD 2.4 (BER).
	30	18	20	56	4s	8.145	S	122.984	E	33	N	4.5		1.2	13	FLORES SEA
	30	18	35	54	3s	60.314	N	153.486	W	174					30	SOUTHERN ALASKA. <AGS-P>.

	30	19 39 49 7•	38 977 N	30.919 E	10 G			1.1	9	TURKEY			
	30	19 39 30 19	36 39 N	29 30 E	33 W			0.3	9	DODECANESE ISLANDS			
	30	19 22 07 0	11 089 N	86.031 W	33 N	5.0 4.0		1.0	10	NEAR COAST OF NICARAGUA			
	30	19 33 07 3•	37 933 N	20 900 E	10 G			0.8	9	IONIAN SEA. ML 3.7 (ATH)			
	30	20 24 38 6	8.243 S	159.305 E	83	4.8		1.1	24	SOLOMON ISLANDS. Felt (I) at Honiara.			
o	30	21 29 38 4•	52.441 S	18.100 E	10 G	5.4 4.7		1.2	33	SOUTHWEST OF AFRICA			
	30	22 17 41 3•	52.959 S	18.447 E	10 G	4.9 4.9		0.8	13	SOUTHWEST OF AFRICA			
	30	22 51 13 0&	32 999 N	117.000 W	10				23	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS)			
•	30	22 58 40.4•	52.956 S	17.927 E	10 G	5.1 5.3		1.1	28	SOUTHWEST OF AFRICA			
	30	23 02 32.1	18.052 N	66.814 W	90 D	4.7		0.8	83	DOMINICAN REPUBLIC REGION			
	30	23 35 45.0?	37 20 N	19.84 E	10 G			0.6	9	IONIAN SEA. ML 3.6 (ATH)			
	30	23 35 53.9•	52.430 S	18.337 E	10 G	5.0 4.8		1.1	22	SOUTHWEST OF AFRICA			
o	31	00 12 42.9•	52.512 S	18.494 E	10 G	5.2 5.0		1.1	33	SOUTHWEST OF AFRICA			
	31	00 18 07.0?	52.38 S	18.53 E	10 G	4.8		1.0	6	SOUTHWEST OF AFRICA			
	31	00 45 53.3?	45 65 N	4.86 E	10 G			1.2	7	FRANCE. ML 2.9 (LDG)			
	31	01 17 26.4&	62.346 N	151.030 W	70				32	CENTRAL ALASKA. <AGS-P>			
	31	02 53 58.8?	52.55 S	18.01 E	10 G	5.0		1.5	11	SOUTHWEST OF AFRICA			
	31	03 25 29.9?	33.58 S	72.72 W	33 N			0.8	12	OFF COAST OF CENTRAL CHILE			
	31	03 53 50.2	42.358 N	19.991 E	10 G			0.4	7	YUGOSLAVIA. ML 2.4 (TTG)			
o	31	04 00 20.3•	52.515 S	18.580 E	10 G	5.4 4.9		1.3	22	SOUTHWEST OF AFRICA			
	31	04 50 14.2&	34.010 N	118.630 W	10				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS)			
	31	05 36 20.2	42.356 N	20.014 E	10 G			0.6	6	YUGOSLAVIA. ML 2.4 (TTG)			
	31	05 58 25.6?	33.56 S	72.12 W	33 N			1.0	11	OFF COAST OF CENTRAL CHILE			
o	31	07 22 40.2	37.463 N	118.374 W	5 G	5.5 5.2		1.0	187	CALIFORNIA-NEVADA BORDER REGION. ML 5.0 (BRK), 5.0 (PAS). Felt strongly in the Bishop-Chalfant Valley area, California. Felt (V) at Big Pine, Camp Nelson, Sonora and Sequoia National Park, California. Also felt (V) at Dyer, Nevada.			
	31	07 28 03.8&	37.530 N	118.420 W	6 G				12	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 4.5 (BRK), 4.4 (PAS).			
	31	07 36 02.4&	37.472 N	118.397 W	4				17	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.0 (BRK), 3.8 (PAS).			
	31	07 50 46.0	37.506 N	118.311 W	5 G			0.9	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.7 (PAS).			
	31	07 51 42.9&	33.870 N	116.570 W	7				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS)			
	31	08 10 42.7	37.458 N	118.294 W	10 G			0.6	25	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.5 (PAS).			
	31	08 15 39.4	37.516 N	118.387 W	10 G			0.7	19	CALIFORNIA-NEVADA BORDER REGION. ML 4.0 (BRK), 3.6 (PAS).			
	31	09 16 32.4&	60.717 N	151.044 W	50				32	KENAI PENINSULA, ALASKA. <AGS-P>			
	31	09 33 14.3&	61.767 N	149.567 W	41				38	SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PWR). Felt at Anchorage, Palmer and Willow.			
o	31	09 37 24.0•	52.586 S	18.438 E	10 G	5.1 5.5		1.4	27	SOUTHWEST OF AFRICA			
	31	10 06 38.8•	31.291 S	67.470 W	33 N			1.1	6	SAN JUAN PROVINCE, ARGENTINA			
	31	10 57 09.3	5.761 S	150.556 E	90	4.7		1.2	31	NEW BRITAIN REGION			
	31	11 14 01.1?	52.55 S	18.61 E	10 G	5.0 4.0		0.7	7	SOUTHWEST OF AFRICA			
	31	11 25 49.8	37.572 N	118.411 W	10 G			0.4	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (NEIS).			
o	31	11 36 35.4	24.829 N	122.761 E	33 N	5.1 5.2		1.2	44	TAIWAN REGION			
	31	12 26 10.7	42.765 N	17.964 E	10 G			1.4	22	ADRIATIC SEA. ML 4.2 (TRI). Felt at Popovo Polje, Yugoslavia.			
	31	13 12 14.5%	58.314 N	6.214 E	10 G			0.7	6	SOUTHERN NORWAY. MD 2.2 (BER).			
	31	13 30 43.2•	19.936 S	173.853 W	33 N	4.8		1.0	15	TONGA ISLANDS			
	31	14 04 34.5&	60.797 N	149.614 W	45				39	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.7 (PWR). Felt at Anchorage and Girdwood.			
	31	14 05 23.5•	10.191 S	114.116 E	33 N	4.4		1.5	9	SOUTH OF BALI ISLAND			
	31	14 17 23.3•	14.196 N	92.769 W	33 N			1.0	14	NEAR COAST OF CHIAPAS, MEXICO. Felt (I) in the Tacana Volcano area.			
	31	14 50 55.5•	10.565 S	113.644 E	33 N	4.2		0.6	7	SOUTH OF JAVA			
	31	15 19 28.0&	40.268 N	124.467 W	5 G				7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).			
	31	15 58 21.2•	24.586 S	70.544 W	99 •			1.3	12	NEAR COAST OF NORTHERN CHILE			
	31	16 06 27.6•	45.551 N	25.467 E	10 G			1.1	5	ROMANIA			
	31	17 21 01.2&	60.048 N	140.718 W	7				17	SOUTHEASTERN ALASKA. <AGS-P>			
	31	18 13 40.0&	32.950 N	117.828 W	6 G				6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS)			
	31	18 30 35.9?	52.35 S	18.51 E	10 G	4.9		1.4	15	SOUTHWEST OF AFRICA			
	31	18 31 03.7•	1.768 S	128.701 E	33 N	4.8		0.8	7	HALMAHERA			
	31	18 43 15.2?	9.51 S	121.88 E	194 ?			0.5	5	SUMBA ISLAND REGION			
	31	18 43 21.9?	38.21 N	20.89 E	10 G			1.5	11	GREECE. ML 3.8 (ATH).			
	31	19 13 31.1•	53.443 N	167.171 W	33 N	4.7		1.2	14	FOX ISLANDS, ALEUTIAN ISLANDS			
o	31	19 33 58.4•	52.421 S	18.809 E	10 G	5.1 4.7		1.1	35	SOUTHWEST OF AFRICA			
	31	20 26 08.8•	38.001 N	30.648 E	10 G			1.3	8	TURKEY			
	31	20 38 11.7•	27.802 N	142.595 E	51 •	4.7		0.9	13	BONIN ISLANDS REGION			

ADDITIONAL SOURCE PARAMETERS

01 09 09 07 16 15.564S 172.457W 33km
5.6mb (39 obs.) 5.7Msz (18 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 40C
Centroid Location:
Origin Time 09:49:15.5 0.3
Lat 15.925 0.03 Lon 172.699W 0.03
Dep 15.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**25 D-CM
T Val= 1.34 Plg=69 Azm=244
N 0.22 16 2
P -1.57 26 108
Best Double Couple Mo=1.5*10**25
NP1:Strike=222 Dip=74 Slip= 132
NP2: 357 72 73

01 06 03 09.55 4.758S 127.989E 33km
5.6mb (48 obs.) 5.8Msz (11 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 06:03: 9.3 0.6
Lat 5.535 0.07 Lon 128.13E 0.03
Dep 36.9 3.8 Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 7.38 Plg= 2 Azm=257
N 1.21 62 163
P -8.59 28 348
Best Double Couple:Mo=8.8*10**24
NP1:Strike= 29 Dip=69 Slip= -19
NP2: 128 72 -158

01 07 32 54.88 3.236S 148.498E 10km
5.3mb (22 obs.) 5.6Msz (8 obs.)
BISMARCK SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 30C
Centroid Location:
Origin Time 07:33: 0.2 0.4
Lat 3.365 0.04 Lon 148.81E 0.04
Dep 15.0 BDY Half-duration 3.3
Principal Axes:
Scale 10**24 D-CM
T Val= 7.69 Plg=12 Azm=333
N 0.51 77 134
P -8.19 4 242
Best Double Couple:Mo=7.9*10**24
NP1:Strike= 17 Dip=79 Slip= 174
NP2: 108 84 11

01 08 48 01.12 3.213S 148.527E 10km
5.4mb (17 obs.) 5.5Msz (3 obs.)
BISMARCK SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Location:
Origin Time 08:48: 5.3 0.6
Lat 3.425 0.06 Lon 148.59E 0.06
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 4.47 Plg= 1 Azm=153
N 1.47 69 247
P -5.93 21 63
Best Double Couple:Mo=5.2*10**24
NP1:Strike=288 Dip=74 Slip=-166
NP2: 186 76 -16

02 01 37 33.65 0.679S 99.986E 90km
5.3mb (33 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 01:37:37.2 1.1
Lat 0.685 0.09 Lon 99.70E 0.14
Dep 83.9 9.8 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 3.63 Plg=17 Azm= 59
N 1.17 17 155
P -4.81 65 287
Best Double Couple:Mo=4.2*10**23
NP1:Strike=124 Dip=31 Slip=-125
NP2: 343 65 -71

02 04 16 57.74 22.038S 179.534W 590km
5.6mb (49 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 04:17: 3.7 0.3
Lat 22.045 0.04 Lon 179.49W 0.03
Dep 598.3 1.8 Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Val= 4.78 Plg=38 Azm= 96
N 0.75 17 200
P -5.65 47 309
Best Double Couple:Mo=5.1*10**24
NP1:Strike=125 Dip=18 Slip=-166
NP2: 21 86 -73

02 10 20 25.38 7.887S 150.640E 29km
5.5mb (38 obs.) 4.6Msz (1 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 10:20:31.2 2.0
Lat 7.935 0.13 Lon 150.85E 0.14
Dep 15.0 BDY Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 2.35 Plg= 0 Azm=138
N 0.97 0 48
P -3.32 90 180
Best Double Couple:Mo=2.8*10**23
NP1:Strike=228 Dip=45 Slip= -90
NP2: 48 45 -90

02 12 53 08.14 59.550S 26.164W 53km
5.6mb (14 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 30C
Centroid Location:
Origin Time 12:53:13.8 0.3
Lat 60.025 0.05 Lon 26.30W 0.10
Dep 20.9 2.7 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.23 Plg=57 Azm=237
N -0.07 23 9
P -2.16 21 109
Best Double Couple:Mo=2.2*10**24
NP1:Strike=234 Dip=31 Slip= 139
NP2: 0 78 65

02 20 45 50.53 26.778S 114.283W 10km
5.6mb (33 obs.) 5.5Msz (12 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 37C
Centroid Location:
Origin Time 20:45:56.1 0.2
Lat 26.97S 0.04 Lon 114.28W 0.03
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 4.42 Plg=14 Azm= 57
N -1.29 19 152
P -3.13 66 294
Best Double Couple:Mo=3.8*10**24
NP1:Strike=123 Dip=35 Slip=-124
NP2: 343 61 -68

03 00 12 14.02 59.264S 26.934W 33km
5.4mb (11 obs.) 4.9Msz (2 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 00:12:17.7 0.8
Lat 59.17S 0.09 Lon 27.09W 0.22
P Dep 19.2 3.5 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.78 Plg=69 Azm=355
N -0.96 5 86
P -6.81 20 189
Best Double Couple Mo=7.3*10**23
NP1:Strike=200 Dip=22 Slip= 105
NP2: 94 69 84

03 03 01 32.69 51.248N 179.748W 33km
5.6mb (88 obs.) 5.2Msz (19 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 03:01:36.8 0.4
Lat 51.46N 0.04 Lon 179.87E 0.07
Dep 15.0 BDY Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.48 Plg=64 Azm=319
N 0.11 5 59
P -3.58 26 151
Best Double Couple:Mo=3.5*10**24
NP1:Strike=252 Dip=20 Slip= 104
NP2: 57 71 85

05 14 11 17.79 12.183N 148.933E 38km
5.4mb (40 obs.) 5.1Msz (1 obs.)
WEST CAROLINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 14:11:17.9 0.5
Lat 12.14N 0.04 Lon 141.21E 0.05
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.86 Plg=14 Azm=324
N 0.49 21 229
P -2.26 65 87
Best Double Couple:Mo=2.1*10**24
NP1:Strike= 81 Dip=38 Slip= -53
NP2: 218 62 -113

05 19 57 38.62 60.721S 153.771E 10km
5.5mb (17 obs.) 5.6Msz (9 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C
Centroid Location:
Origin Time 19:57:52.4 0.1
Lat 60.05S 0.02 Lon 152.98E 0.04
Dep 15.0 FIX Half-duration 3.7
Principal Axes:
Scale 10**25 D-CM
T Val= 1.49 Plg= 2 Azm= 22
N -0.00 71 285
P -1.48 19 113
Best Double Couple:Mo=1.4*10**25
NP1:Strike=158 Dip=75 Slip= -12
NP2: 249 79 -165

05 22 09 36.95 15.467N 92.582W 112km
5.4mb (92 obs.)
MEXICO-GUATEMALA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 22:09:35.8 0.3
Lat 15.31N 0.04 Lon 92.68W 0.03
Dep 72.4 2.5 Half-duration 3.7
Principal Axes:
Scale 10**24 D-CM
T Val= 14.03 Plg=23 Azm= 45
N -3.73 2 314
P -10.30 66 218
Best Double Couple:Mo=1.2*10**25
NP1:Strike=139 Dip=22 Slip= -84
NP2: 313 69 -92

06 19 24 22.99 34.424N 89.161E 9km
5.8mb (86 obs.) 6.1Msz (17 obs.)
TIBET
FAULT PLANE SOLUTION: P-Waves

NP1:Strike=270 Dip=88 Slip= -12
NP2: 5 79 -178
Principal Axes:
T Plg= 7 Azm=136
P 24 229
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 8 No. of sta: 10
Principal Axes:
Scale 10**24 d-cm
T Val= 4.49 Plg=14 Azm=157
N -0.37 44 53
P -4.13 43 260
Best Double Couple:Mo=4.3*10**24
NP1:Strike=268 Dip=58 Slip= -24
NP2: 35 72 -137
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 33C
Centroid Location:
Origin Time 19:24:29.5 0.2
Lat 34.24N 0.03 Lon 80.15E 0.04
Dep 15.0 BDY Half-duration 3.8
Principal Axes:
Scale 10**24 D-CM
T Val= 11.22 Plg= 1 Azm=129
N -2.36 69 37
P -8.85 21 220
Best Double Couple:Mo=1.0*10**25
NP1:Strike=263 Dip=74 Slip= -15
NP2: 357 76 -164

87 10 26 56.61 10.389N 56.832E 8km
6.4mb (68 obs.) 6.2Msz (30 obs.)
CARLSBERG RIDGE
MOMENT TENSOR SOLUTION
Dep 2 No. of sta: 8
Principal Axes:
Scale 10**25 d-cm
T Val= 6.16 Plg=58 Azm=356
N 0.37 6 256
P -6.53 31 162
Best Double Couple:Mo=6.3*10**25
NP1:Strike=233 Dip=15 Slip= 66
NP2: 78 76 96
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 175, 43C M.W.: 9S, 22C
Centroid Location:
Origin Time 16:27: 7.7 0.2
Lat 11.29N 0.02 Lon 57.33E 0.02
Dep 15.0 BDY Half-duration 5.9
Principal Axes:
Scale 10**25 D-CM
T Val= 4.17 Plg=84 Azm=267
N -0.38 5 56
P -3.78 3 147
Best Double Couple:Mo=4.0*10**25
NP1:Strike=242 Dip=42 Slip= 98
NP2: 52 48 83

88 09 20 44.58 34.080N 116.610W 12km
5.8mb (87 obs.) 6.0Msz (14 obs.)
SOUTHERN CALIFORNIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 49 Dip=80 Slip= 35
NP2: 312 58 168
Principal Axes:
T Plg=31 Azm=276
P 16 176
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 5 No. of sta: 10
Principal Axes:
Scale 10**25 d-cm
T Val= 2.24 Plg=43 Azm=291
N 0.13 48 74
P -2.37 20 181
Best Double Couple:Mo=2.3*10**25
NP1:Strike=316 Dip=44 Slip= 159
NP2: 61 76 48
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 95, 28C
Centroid Location:
Origin Time 08:29 47.7 0.6
Lat 33.63N 0.06 Lon 116.97W 0.03
Dep 10.0 BDY Half-duration 3.6
Principal Axes:
Scale 10**24 D-CM
T Val= 13.43 Plg=47 Azm=277
N -8.84 34 93
P -13.39 23 188
Best Double Couple:Mo=1.3*10**25
NP1:Strike=296 Dip=37 Slip= 156
NP2: 44 76 55

89 17 10 22.87 51.907N 176.238W 50km
5.2mb (87 obs.) 4.8Msz (10 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 31C
Centroid Location:
Origin Time 17:10 28.4 0.3
Lat 51.97N 0.04 Lon 176.38W 0.07
Dep 63.0 2.3 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.00 Plg=76 Azm=289
N 0.15 9 58
P -2.15 11 150
Best Double Couple:Mo=2.1*10**24
NP1:Strike=251 Dip=35 Slip= 106
NP2: 52 57 79

89 20 24 51.97 51.683N 176.868W 57km
4.9mb (29 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 95, 28C
Centroid Location:
Origin Time 20:24:55.8 1.9
Lat 51.81N 0.17 Lon 177.49W 0.30
Dep 62.0 9.9 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 3.91 Plg=47 Azm=239
N -0.37 41 38
P -3.54 10 137
Best Double Couple:Mo=3.7*10**23
NP1:Strike=265 Dip=49 Slip= 149
NP2: 17 67 45

89 23 10 53.10 1.984N 126.525E 28km
6.2mb (68 obs.) 6.5Msz (24 obs.)
MOLUCCA PASSAGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=182 Dip=48 Slip= 75
NP2: 24 44 106
Principal Axes:
T Plg=79 Azm= 23
P 2 283
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a small strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 26 No. of sta: 8
Principal Axes:
Scale 10**26 d-cm
T Val= 1.73 Plg=76 Azm=103
N 0.02 5 351
P -1.75 13 260
Best Double Couple:Mo=1.7*10**26
NP1:Strike=343 Dip=32 Slip= 80
NP2: 174 58 96
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 37C M.W.: 8S, 21C
Centroid Location:
Origin Time 23:11: 2.6 0.2
Lat 1.99N 0.02 Lon 126.64E 0.02
Dep 34.9 0.8 Half-duration 9.2
Principal Axes:
Scale 10**26 D-CM
T Val= 1.65 Plg=76 Azm=173
N -0.14 12 24
P -1.50 7 293
Best Double Couple:Mo=1.6*10**26
NP1:Strike= 9 Dip=39 Slip= 71
NP2: 213 53 105

10 00 53 04.32 4.275N 92.618W 10km
5.4mb (68 obs.) 5.0Msz (11 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 29C
Centroid Location:
Origin Time 00:53:12.4 0.6
Lat 4.31N 0.08 Lon 92.49W 0.07
Dep 15.0 Fix Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.38 Plg= 4 Azm=273
N 0.11 18 4
P -1.42 73 171
Best Double Couple:Mo=1.4*10**24
NP1:Strike=347 Dip=44 Slip=-114
NP2: 188 51 -69

10 18 35 04.92 19.895S 175.278W 233km
5.3mb (48 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 115, 22C
Centroid Location:
Origin Time 18:35:19.6 0.6
Lat 19.58S 0.10 Lon 175.09W 0.09
Dep 228.2 3.8 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.42 Plg=48 Azm=138
N -0.12 19 28
P -1.30 38 283
Best Double Couple:Mo=1.4*10**24
NP1:Strike=312 Dip=29 Slip= 13
NP2: 218 86 109

11 07 17 59.07 26.879S 132.736E 10km
5.6mb (22 obs.) 5.3Msz (4 obs.)
SOUTH AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 26C
Centroid Location:
Origin Time 07:18: 8.7 0.8
Lat 25.52S 0.10 Lon 132.84E 0.06
Dep 15.0 Fix Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 0.91 Plg=39 Azm=175
N 0.53 50 339
P -1.44 8 78
Best Double Couple:Mo=1.2*10**24
NP1:Strike=209 Dip=57 Slip= 150
NP2: 313 70 36

11 08 27 46.48 45.987S 166.334E 32km
5.4mb (16 obs.) 5.0Msz (5 obs.)
OFF W. COAST OF S. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 38C
Centroid Location:
Origin Time 08:27:58.8 0.3
Lat 46.06S 0.07 Lon 166.09E 0.07
Dep 15.0 Fix Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.71 Plg=59 Azm= 44
N 0.10 6 144
P -2.81 31 238
Best Double Couple:Mo=2.8*10**24
NP1:Strike=348 Dip=15 Slip= 113
NP2: 143 76 84

11 17 02 03.94 24.329N 126.899E 33km
5.3mb (38 obs.) 5.1Msz (3 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 24C
Centroid Location:
Origin Time 17:02 4.2 0.6
Lat 24.48N 0.07 Lon 126.20E 0.10
Dep 15.0 Fix Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 14.98 Plg=48 Azm=164
N -3.02 48 323
P -11.97 11 65
Best Double Couple:Mo=1.3*10**24
NP1:Strike=196 Dip=54 Slip= 157

NP2 388 71 38

12 07 54 26.88 29.962S 51.582E 10km
5.7mb (65 obs.) 5.6Msz (14 obs.)
SOUTHERN BRAZ
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 85, 22C
Centroid Location:
Origin Time 07:54:31.1 0.4
Lat 29.79S 0.06 Lon 51.36E 0.06
Dep 33.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 4.33 Plg=12 Azm=134
N -0.42 78 307
P -3.90 1 43
Best Double Couple:Mo=4.1*10**24
NP1:Strike=178 Dip=81 Slip= 172
NP2: 269 82 10

12 10 17 25.96 5.575N 125.496E 88km
5.3mb (28 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 115, 22C
Centroid Location:
Origin Time 10:17:23.7 0.5
Lat 5.73N 0.06 Lon 125.63E 0.06
Dep 48.1 5.6 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.68 Plg=65 Azm=295
N 0.56 12 178
P -2.24 21 83
Best Double Couple:Mo=2.0*10**24
NP1:Strike=153 Dip=26 Slip= 62
NP2: 3 67 103

12 10 05 14.23 1.845N 126.484E 48km
5.3mb (25 obs.) 5.4Msz (9 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 32C
Centroid Location:
Origin Time 10:05:17.9 0.5
Lat 1.51N 0.04 Lon 126.61E 0.04
Dep 38.2 1.6 Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 7.66 Plg=85 Azm=109
N 1.27 1 210
P -8.93 5 300
Best Double Couple:Mo=8.3*10**24
NP1:Strike= 31 Dip=48 Slip= 91
NP2: 209 58 89

13 09 12 18.71 16.861N 93.981W 88km
5.9mb (72 obs.)
CHIAPAS, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=120 Dip=83 Slip= 98
NP2: 388 7 98
Principal Axes:
T Plg=52 Azm= 38
P 38 218
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 87 No. of sta: 12
Principal Axes:
Scale 10**24 d-cm
T Val= 8.28 Plg=44 Azm= 46
N -1.25 14 302
P -7.03 43 199
Best Double Couple:Mo=7.7*10**24
NP1:Strike=214 Dip=14 Slip= 1
NP2: 122 90 104
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 95, 22C
Centroid Location:
Origin Time 09:12:11.8 0.2
Lat 15.92N 0.05 Lon 93.98W 0.04
Dep 65.8 3.8 Half-duration 3.3
Principal Axes:
Scale 10**24 D-CM
T Val= 8.99 Plg=33 Azm= 61
N -2.18 18 296
P -6.82 51 185
Best Double Couple:Mo=7.9*10**24
NP1:Strike=179 Dip=29 Slip= -28
NP2: 295 81 -100

13 13 47 00.20 32.978N 117.878W 10km
5.0mb (73 obs.) 5.0Msz (15 obs.)
CALIFORNIA-MEXICO BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 65, 17C
Centroid Location:
Origin Time 13:47:19.4 0.4
Lat 32.74N 0.11 Lon 117.46W 0.05
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 5.81 Plg=77 Azm=157
N 1.46 9 293
P -7.27 9 25
Best Double Couple:Mo=6.5*10**24
NP1:Strike=126 Dip=37 Slip= 106
NP2: 287 55 78

14 20 14 58.39 12.283N 143.931E 27km
5.3mb (22 obs.) 5.0Msz (3 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 95, 21C
Centroid Location:
Origin Time 20:14:54.7 1.3
Lat 12.22N 0.10 Lon 144.17E 0.10
Dep 21.6 8.2 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 9.23 Plg=82 Azm= 6
N 1.33 15 241
P -10.56 24 144
Best Double Couple:Mo=9.9*10**23
NP1:Strike=287 Dip=25 Slip= 53
NP2: 66 70 106

16 12 41 28.32 19.511S 169.165E 111km
6.2mb (63 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 78 Dip=72 Slip= -98
NP2: 258 18 -99
Principal Axes:
T Plg=27 Azm=168
P 63 348
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting. The preferred fault plane is NP1.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 195, 46C M.M.: 115, 27C
Centroid Location:
Origin Time 12:41:35.2 0.2
Lat 19.71S 0.01 Lon 169.21E 0.02
Dep 117.7 0.7 Half-duration 7.1
Principal Axes:
Scale 10**25 D-CM
T Val= 8.86 Plg=19 Azm=162
N -0.91 3 253
P -7.96 71 353
Best Double Couple:Mo=8.4*10**25
NP1:Strike=248 Dip=28 Slip= -98
NP2: 74 64 -86

16 22 03 10.79 31.849N 77.997E 33km
5.6mb (93 obs.) 5.2Msz (7 obs.)
NORTHERN INDIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 105, 21C
Centroid Location:
Origin Time 22:03:12.4 0.8
Lat 30.48N 0.11 Lon 78.19E 0.12
Dep 15.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.61 Plg=53 Azm= 79
N 0.11 14 330
P -1.71 33 231
Best Double Couple:Mo=1.7*10**24
NP1:Strike=278 Dip=17 Slip= 37
NP2: 152 88 104

17 14 32 06.77 21.271S 179.519W 597km
4.8mb (18 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 85, 14C
Centroid Location:
Origin Time 14:32:18.3 1.4
Lat 22.08S 0.15 Lon 179.07W 0.14
Dep 599.0 9.0 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 8.28 Plg=37 Azm=160
N 0.48 33 41
P -8.68 35 283
Best Double Couple:Mo=8.4*10**23
NP1:Strike=313 Dip=33 Slip= 2
NP2: 221 89 123

17 15 46 37.82 36.868N 71.247E 47km
5.3mb (67 obs.) 5.3Msz (2 obs.)
AFGHANISTAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 30C
Centroid Location:
Origin Time 15:46:46.7 0.3
Lat 36.47N 0.04 Lon 71.13E 0.04
Dep 97.2 3.3 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.92 Plg=38 Azm= 61
N -0.08 46 294
P -2.84 28 169
Best Double Couple:Mo=2.9*10**24
NP1:Strike=285 Dip=46 Slip= 1
NP2: 114 89 136

18 15 07 51.75 16.358S 28.582E 17km
5.5mb (55 obs.) 4.8Msz (4 obs.)
ZAMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 31C
Centroid Location:
Origin Time 15:07:55.6 0.5
Lat 16.18S 0.06 Lon 28.36E 0.06
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 6.62 Plg= 2 Azm=144
N 2.41 4 54
P -9.03 85 265
Best Double Couple:Mo=7.8*10**23
NP1:Strike=238 Dip=43 Slip= -84
NP2: 50 48 -95

18 17 22 38.24 10.778N 69.428W 7km
5.0mb (71 obs.) 4.9Msz (11 obs.)
VENEZUELA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 30C
Centroid Location:
Origin Time 17:22:43.8 0.6
Lat 10.84N 0.06 Lon 69.24W 0.07
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.68 Plg=78 Azm= 78
N 0.21 11 232
P -1.88 5 323
Best Double Couple:Mo=1.8*10**24
NP1:Strike= 64 Dip=41 Slip= 106
NP2: 223 51 76

19 04 31 55.97 53.352N 165.882W 33km
5.5mb (98 obs.) 5.1Msz (12 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 35C
Centroid Location:
Origin Time 04:31:59.7 0.2
Lat 53.25N 0.02 Lon 165.76W 0.04
Dep 56.7 2.1 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.04 Plg=73 Azm=260
N -0.48 17 96
P -2.65 [illegible] 4
Best Double Couple:Mo=2.8*10**24
NP1:Strike= 77 Dip=43 Slip= 85

NP2: 289 82 112

19 05 04 08.24 53.338N 165.858W 33km
5.1mb (97 obs.) 4.5Msz (1 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 25C
Centroid Location:
Origin Time 05:04:12.2 0.8
Lat 53.26N 0.08 Lon 165.72W 0.12
Dep 66.0 6.8 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.63 Plg=76 Azm=255
N -1.54 14 82
P -6.10 2 352
Best Double Couple:Mo=6.9*10**23
NP1:Strike= 68 Dip=45 Slip= 70
NP2: 275 48 109

19 05 59 36.21 47.264N 151.127E 141km
5.9mb (92 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 36 Dip=84 Slip= -60
NP2: 136 31 -168
Principal Axes:
T Plg=32 Azm=101
P 43 335
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 175, 43C
Centroid Location:
Origin Time 05:59:42.1 0.2
Lat 47.05N 0.02 Lon 151.32E 0.03
Dep 153.4 0.5 Half-duration 5.6
Principal Axes:
Scale 10**25 D-CM
T Val= 3.26 Plg=34 Azm=114
N 0.73 14 213
P -3.99 53 322
Best Double Couple:Mo=3.6*10**25
NP1:Strike=159 Dip=17 Slip=-145
NP2: 36 80 -76

19 06 53 17.83 53.600N 167.171W 33km
5.5mb (87 obs.) 5.7Msz (12 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 37C
Centroid Location:
Origin Time 06:53:22.6 0.4
Lat 53.75N 0.05 Lon 167.48W 0.06
Dep 18.3 2.6 Half-duration 3.6
Principal Axes:
Scale 10**24 D-CM
T Val= 11.00 Plg= 2 Azm=127
N -1.71 9 37
P -9.29 80 227
Best Double Couple:Mo=1.0*10**25
NP1:Strike=227 Dip=44 Slip= -76
NP2: 28 47 -103

19 20 12 55.23 31.260N 86.910E 33km
5.1mb (47 obs.) 4.6Msz (3 obs.)
TIBET
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 25C
Centroid Location:
Origin Time 20:12:58.7 0.8
Lat 30.88N 0.09 Lon 86.88E 0.11
Dep 15.0 BDY Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 4.46 Plg=12 Azm=275
N 0.63 77 122
P -5.09 6 6
Best Double Couple:Mo=4.8*10**23
NP1:Strike= 51 Dip=78 Slip= 4
NP2: 320 86 168

19 22 32 36.05 53.521N 167.381W 33km
5.6mb (94 obs.) 5.0Msz (10 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 155, 41C
Centroid Location:
Origin Time 22:32:41.0 0.2
Lat 53.78N 0.03 Lon 167.32W 0.05
Dep 15.0 BDY Half-duration 3.8
Principal Axes:
Scale 10**25 D-CM
T Val= 1.25 Plg= 6 Azm=293
N -0.21 2 202
P -1.04 83 93
Best Double Couple:Mo=1.1*10**25
NP1:Strike= 25 Dip=39 Slip= -87
NP2: 201 51 -93

20 01 59 08.28 53.538N 167.344W 33km
4.9mb (34 obs.) 4.5Msz (4 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 24C
Centroid Location:
Origin Time 01:59:13.7 0.7
Lat 54.03N 0.15 Lon 167.59W 0.11
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.25 Plg= 4 Azm=112
N -0.86 4 21
P -5.39 84 251
Best Double Couple:Mo=5.8*10**23
NP1:Strike=208 Dip=41 Slip= -84
NP2: 18 50 -95

20 14 29 45.50 37.588N 118.458W 8km
5.6mb (78 obs.) 5.6Msz (13 obs.)
CALIFORNIA-NEVADA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 135, 34C
Centroid Location:
Origin Time 14:29:58.0 0.3
Lat 37.55N 0.04 Lon 118.42W 0.04
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM
T Val= 5.61 Plg= 5 Azm= 97
N -0.56 42 2
P -5.35 48 193
Best Double Couple:Mo=5.6*10**24
NP1:Strike=223 Dip=54 Slip= -35
NP2: 335 63 -138

20 18 09 06.83 58.739S 3.577W 10km
5.0mb (12 obs.) 5.0Msz (1 obs.)
SOUTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 165, 34C
Centroid Location:
Origin Time 18:09:14.0 0.3
Lat 57.03S 0.04 Lon 2.86W 0.08
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.43 Plg=33 Azm= 71
N 0.82 55 229
P -2.26 10 334
Best Double Couple:Mo=1.8*10**24
NP1:Strike=107 Dip=59 Slip= 162
NP2: 206 75 32

21 12 11 15.85 20.572S 174.283W 37km
5.5mb (41 obs.) 5.0Msz (10 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 32C
Centroid Location:
Origin Time 12:11:20.3 0.6
Lat 20.84S 0.05 Lon 173.68W 0.05
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.11 Plg=68 Azm=307
N 0.22 4 207
P -2.34 22 116
Best Double Couple:Mo=2.2*10**24
NP1:Strike=198 Dip=24 Slip= 80
NP2: 29 67 94

21 14 42 26.88 37.537N 118.447W 9km
6.0mb (73 obs.) 6.2Msz (19 obs.)
CALIFORNIA-NEVADA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=242 Dip=84 Slip= 21
NP2: 150 69 174
Principal Axes:
T Plg=19 Azm=108
P 18 14
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 6 No. of sta 12
Principal Axes:
Scale 10**25 d-cm
T Val= 2.91 Plg=11 Azm= 84
N -0.24 62 193
P -2.67 28 349
Best Double Couple:Mo=2.8*10**25
NP1:Strike=129 Dip=84 Slip=-169
NP2: 36 80 -26
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 36C M.W.: 185, 28C
Centroid Location:
Origin Time 14:42:33.9 0.2
Lat 37.53N 0.02 Lon 118.62W 0.02
Dep 15.0 BDY Half-duration 5.0
Principal Axes:
Scale 10**25 D-CM
T Val= 3.13 Plg=10 Azm=193
N -0.95 58 288
P -2.18 32 8
Best Double Couple:Mo=2.8*10**25
NP1:Strike=149 Dip=80 Slip=-163
NP2: 51 75 -31

21 22 07 10.00 37.498N 118.397W 9km
5.5mb (56 obs.) 5.0Msz (8 obs.)
CALIFORNIA-NEVADA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 105, 26C
Centroid Location:
Origin Time 22:07:17.7 0.9
Lat 37.48N 0.07 Lon 117.92W 0.10
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.45 Plg= 7 Azm=283
N -0.04 27 189
P -1.42 62 26
Best Double Couple:Mo=1.4*10**24
NP1:Strike= 48 Dip=45 Slip= -50
NP2: 171 57 -122

22 02 12 48.46 33.571S 178.358W 33km
5.4mb (14 obs.) 5.2Msz (8 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 145, 31C
Centroid Location:
Origin Time 02:12:48.8 0.5
Lat 33.58S 0.05 Lon 178.21W 0.06
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 2.04 Plg=15 Azm=292
N -0.49 18 24
P -1.56 72 148
Best Double Couple:Mo=1.8*10**24
NP1:Strike= 7 Dip=31 Slip=-109
NP2: 218 61 -79

22 11 28 33.25 0.799S 134.444E 27km
5.2mb (16 obs.) 4.9Msz (2 obs.)
WEST IRIAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 125, 26C
Centroid Location:
Origin Time 11:28:35.2 0.4
Lat 0.52S 0.05 Lon 134.22E 0.06
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**24 D-CM
T Val= 1.43 Plg=13 Azm=129
N -0.07 76 292

```
     P       -1.38        4        38
  Best Double Couple:Mo=1.6e18**24
   NP1:Strike=173 Dip=78 Slip= 173
   NP2:         264      84       12

23 07 35 27.38  61.934S 154.774E  10km
   5.4mb ( 11 obs ) 5.7Msz (  8 obs )
   BALLENY ISLANDS REGION
   CENTROID, MOMENT TENSOR     (mRv)
   Data Used: GDSN
   L.P.B.: 175, 37C
   Centroid Location:
   Origin Time        07:35:36.8 0.2
   Lat 61.81S 0.03 Lon 154.31E 0.05
   Dep  15.0 FIX Half-duration  3.2
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  7.67  Plg= 1   Azm=289
     N        0.89       82       181
     P       -7.76        8       298
   Best Double Couple:Mo=7.7e18**24
    NP1:Strike=334 Dip=84 Slip=  -5
    NP2:         65      85      -174

25 09 01 32.42  51.247N 178.173W  33km
   5.5mb ( 65 obs.) 5.8Msz ( 15 obs.)
   ANDREANOF ISLANDS, ALEUTIAN IS.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 175, 39C
   Centroid Location:
   Origin Time        09:01:34.7 0.3
   Lat 51.21N 0.03 Lon 178.82W 0.07
   Dep  25.0 2.3 Half-duration  3.0
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  5.98  Plg=66   Azm=328
     N        0.48        1        61
     P       -6.38       24       151
   Best Double Couple:Mo=6.1e18**24
    NP1:Strike=244 Dip=21 Slip=  94
    NP2:         68      69       89

25 23 41 08.64  26.384N 125.917E  22km
   5.6mb ( 46 obs.) 6.2Msz ( 11 obs.)
   NORTHEAST OF TAIWAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 155, 35C
   Centroid Location:
   Origin Time        23:41:51.1 0.2
   Lat 26.29N 0.02 Lon 125.73E 0.03
   Dep  15.0 FIX Half-duration  4.3
   Principal Axes:
     Scale 10**25 D-CM
     T  Val=  1.78  Plg= 6   Azm=326
     N        0.00       83       116
     P       -1.79        4       236
   Best Double Couple:Mo=1.8e18**25
    NP1:Strike= 11 Dip=83 Slip= 179
    NP2:         101      89         7

26 20 07 02.68  18.866S 173.282W  33km
   5.2mb ( 38 obs.)
   TONGA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  75, 11C
   Centroid Location:
   Origin Time        20:07: 6.7 1.9
   Lat 17.44S 0.55 Lon 172.98W 0.34
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  5.26  Plg= 8   Azm=171
     N       -0.54       68        81
     P       -4.73       22       261
   Best Double Couple:Mo=5.0e18**23
    NP1:Strike=303 Dip=74 Slip= -16
    NP2:         38      74      -164

26 20 24 47.88  23.753N  94.177E  27km
   5.2mb ( 57 obs.) 5.1Msz (  2 obs.)
   BURMA-INDIA BORDER REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 145, 29C
   Centroid Location:
   Origin Time        20:24:55.7 0.5
   Lat 23.86N 0.06 Lon  94.19E 0.05
   Dep  84.9 3.7 Half-duration  1.9
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  5.65  Plg=23   Azm=352
     N        0.17       67       179
     P       -1.82        3        83
   Best Double Couple:Mo=1.7e18**24
    NP1:Strike=138 Dip=72 Slip=  19
    NP2:         38      70      162

27 10 43 26.09  25.848S 177.498W 147km
   5.8mb ( 44 obs.)
   SOUTH OF FIJI ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike= 58 Dip=73 Slip= -39
    NP2:         153      53      -159
   Principal Axes:
     T                Plg=13   Azm=106
     P                  39        5
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a large normal
     component. The preferred fault
     plane is not determined.
   MOMENT TENSOR SOLUTION
   Dep 105              No. of sta:  9
   Principal Axes:
     Scale 10**24 d-cm
     T  Val=  7.84  Plg=14   Azm= 98
     N       -1.82       42       199
     P       -6.02       44       352
   Best Double Couple:Mo=7.3e18**24
    NP1:Strike=145 Dip=48 Slip=-155
    NP2:         37      72       -45
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 175, 38C
   Centroid Location:
   Origin Time        10:43:26.6 0.2
   Lat 25.98S 0.02 Lon 177.42W 0.02
   Dep 189.2 1.3 Half-duration  3.3
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  7.19  Plg=29   Azm=106
     N       -0.11       42       226
     P       -7.08       35       353
   Best Double Couple:Mo=7.1e18**24
    NP1:Strike=142 Dip=42 Slip=-175
    NP2:         48      87       -48

27 12 58 17.66  33.119S 178.594W  33km
   5.1mb (  7 obs.) 4.7Msz (  1 obs.)
   SOUTH OF KERMADEC ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 125, 27C
   Centroid Location:
   Origin Time        12:58:23.6 1.2
   Lat 32.73S 0.09 Lon 178.42W 0.12
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  7.38  Plg=65   Azm=332
     N        1.76       17       202
     P       -9.14       18       106
   Best Double Couple:Mo=8.3e18**23
    NP1:Strike=171 Dip=31 Slip=  55
    NP2:         38      65      109

28 04 06 50.25  51.599N 174.098W  33km
   5.4mb ( 81 obs.) 4.8Msz ( 12 obs.)
   ANDREANOF ISLANDS, ALEUTIAN IS.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 155, 31C
   Centroid Location:
   Origin Time        04:06:55.5 0.6
   Lat 52.00N 0.05 Lon 173.91W 0.10
   Dep  38.3 3.8 Half-duration  1.8
   Principal Axes:
     Scale 10**23 D-CM
     T  Val= 12.38  Plg=69   Azm=311
     N        2.85        7        60
     P      -14.43       20       153
   Best Double Couple:Mo=1.3e18**24
    NP1:Strike=255 Dip=26 Slip= 107
    NP2:         57      65        82

28 20 29 02.75  33.282S  71.934W  41km
   5.1mb ( 13 obs.) 5.3Msz (  7 obs.)
   NEAR COAST OF CENTRAL CHILE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 165, 32C
   Centroid Location:
   Origin Time        20 29  5.8 0.3
   Lat 33.53S 0.05 Lon  72.47W 0.04
   Dep  58.2 2.1 Half-duration  2.6
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  4.13  Plg=66   Azm= 27
     N        0.21        4       176
     P       -4.34       23       267
   Best Double Couple:Mo=4.2e18**24
    NP1:Strike=  4 Dip=22 Slip= 100
    NP2:         174      68        84

28 21 57 13.85  51.778N 175.301W  33km
   5.4mb ( 78 obs.) 4.9Msz (  8 obs.)
   ANDREANOF ISLANDS, ALEUTIAN IS.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 125, 27C
   Centroid Location:
   Origin Time        21:57:19.3 0.6
   Lat 51.93N 0.05 Lon 174.97W 0.08
   Dep  41.8 3.4 Half-duration  1.8
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  1.78  Plg=70   Azm=307
     N        0.24        6        55
     P       -2.03       19       147
   Best Double Couple:Mo=1.9e18**24
    NP1:Strike=248 Dip=27 Slip= 104
    NP2:         52      64        83

29 00 14 59.51  21.264S 175.544W  110km
   5.4mb ( 21 obs.)
   TONGA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 135, 26C
   Centroid Location:
   Origin Time        00:15:11.8 0.7
   Lat 20.67S 0.07 Lon 175.71W 0.08
   Dep 137.1 2.6 Half-duration  1.7
   Principal Axes:
     Scale 10**24 D-CM
     T  Val=  1.14  Plg=18   Azm=103
     N        0.24        5        11
     P       -1.38       71       265
   Best Double Couple:Mo=1.3e18**24
    NP1:Strike=282 Dip=28 Slip= -78
    NP2:         8      63       -98

29 11 57 47.53  17.622S 178.517W  560km
   5.1mb ( 38 obs.)
   FIJI ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 125, 21C
   Centroid Location:
   Origin Time        11:57:53.2 0.8
   Lat 17.56S 0.15 Lon 178.61W 0.11
   Dep 559.7 5.8 Half-duration  1.7
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  8.68  Plg= 5   Azm= 57
     N        1.35       41       152
     P      -10.03       49       321
   Best Double Couple:Mo=9.4e18**23
    NP1:Strike=112 Dip=53 Slip=-144
    NP2:         359      62       -42

30 04 02 53.45  18.048S 174.864W  174km
   5.0mb ( 25 obs.)
   TONGA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 145, 22C
   Centroid Location:
   Origin Time        04:03: 0.9 0.8
   Lat 17.93S 0.13 Lon 175.21W 0.11
   Dep 198.8 4.4 Half-duration  1.6
   Principal Axes:
     Scale 10**23 D-CM
     T  Val=  6.53  Plg=22   Azm= 21
     N        0.74       48       286
     P       -7.27       36       129
   Best Double Couple:Mo=6.9e18**23
    NP1:Strike=168 Dip=47 Slip= -11
    NP2:         258      82      -137

30 11 31 58.19  24.611N 121.782E  33km
   5.6mb ( 57 obs.) 5.6Msz (  9 obs.)
   TAIWAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
```

L.P.B.: 11S, 24C
Centroid Location:
Origin Time 11:31:50.1 0.4
Lat 24.24N 0.06 Lon 121.40E 0.07
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.66 Plg= 7 Azm=312
N -0.92 13 43
P -1.74 75 196
Best Double Couple:Mo=2.2*10**24
NP1:Strike= 27 Dip=48 Slip=-111
NP2: 233 53 -74

30 21 25 35.42 52.441S 18.188E 10km
5.4mb (6 obs.) 4.7Msz (1 obs.)
SOUTHWEST OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 21:25:42.4 1.0
Lat 52.22S 0.10 Lon 19.08E 0.16
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.78 Plg=10 Azm=221
N -1.29 8 131
P -6.49 80 41
Best Double Couple:Mo=7.1*10**23
NP1:Strike=311 Dip=35 Slip= -98
NP2: 131 55 -90

30 22 58 40.47 52.556S 17.927E 10km
5.1mb (5 obs.) 5.3Msz (3 obs.)
SOUTHWEST OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 39C
Centroid Location:
Origin Time 22:58:47.7 0.3
Lat 52.44S 0.03 Lon 18.86E 0.09
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 4.19 Plg=11 Azm=200
N -0.10 5 291
P -4.09 78 45
Best Double Couple:Mo=4.1*10**24
NP1:Strike=284 Dip=35 Slip= -99
NP2: 114 56 -84

31 00 12 42.59 52.512S 18.494E 10km
5.2mb (4 obs.) 5.0Msz (1 obs.)
SOUTHWEST OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 00:12:45.1 0.9
Lat 52.47S FIX;Lon 18.73E Fix
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 9.94 Plg=11 Azm=202
N 0.24 4 111
P -10.18 78 3
Best Double Couple:Mo=1.0*10**24
NP1:Strike=298 Dip=34 Slip= -84
NP2: 109 56 -94

31 04 00 20.36 52.515S 18.008E 10km
5.4mb (5 obs.) 4.9Msz (1 obs.)
SOUTHWEST OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 04:00:28.0 0.8
Lat 52.50S 0.08 Lon 18.83E 0.16
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.70 Plg= 2 Azm= 34
N 0.37 8 125
P -8.07 82 292
Best Double Couple:Mo=7.9*10**23
NP1:Strike=116 Dip=44 Slip=-102
NP2: 312 47 -79

31 07 22 40.21 37.463N 118.374W 5km
5.5mb (57 obs.) 5.2Msz (6 obs.)
CALIFORNIA-NEVADA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 07:22:49.5 1.2
Lat 37.70N 0.09 Lon 118.56W 0.10
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 2.11 Plg= 5 Azm=294
N -0.17 61 195
P -1.94 28 27
Best Double Couple:Mo=2.0*10**24
NP1:Strike= 67 Dip=66 Slip= -17
NP2: 164 74 -155

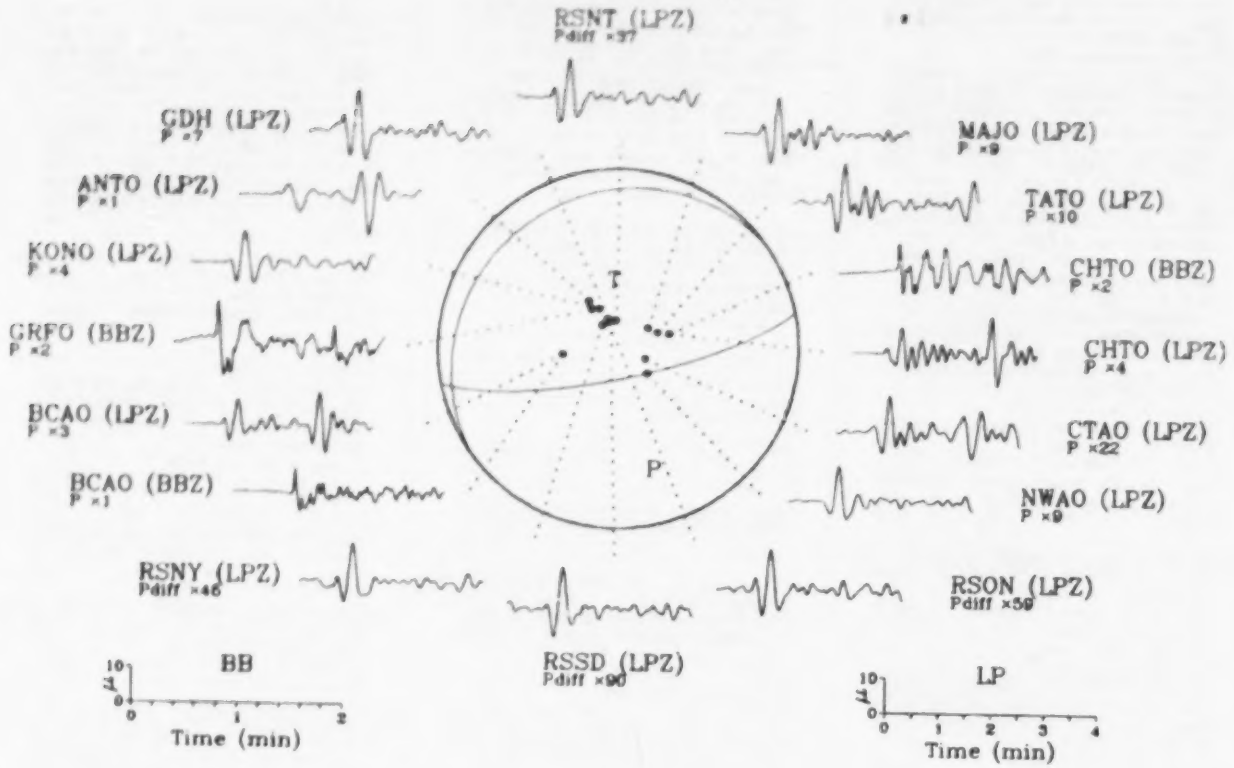
31 09 37 24.02 52.566S 18.438E 10km
5.1mb (3 obs.) 5.3Msz (3 obs.)
SOUTHWEST OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 09:37:33.1 0.4
Lat 52.48S 0.05 Lon 18.10E 0.09
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.32 Plg= 4 Azm=212
N -0.11 2 302
P -2.21 86 85
Best Double Couple:Mo=2.3*10**24
NP1:Strike=300 Dip=41 Slip= -94
NP2: 124 49 -87

31 11 36 35.45 24.029N 122.781E 33km
5.1mb (10 obs.) 5.2Msz (2 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 11:38:33.3 0.5
Lat 24.61N 0.08 Lon 122.50E 0.12
Dep 20.5 5.0 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 8.41 Plg= 4 Azm= 30
N 1.74 4 299
P -10.15 84 184
Best Double Couple:Mo=9.3*10**23
NP1:Strike=125 Dip=41 Slip= -83
NP2: 298 49 -96

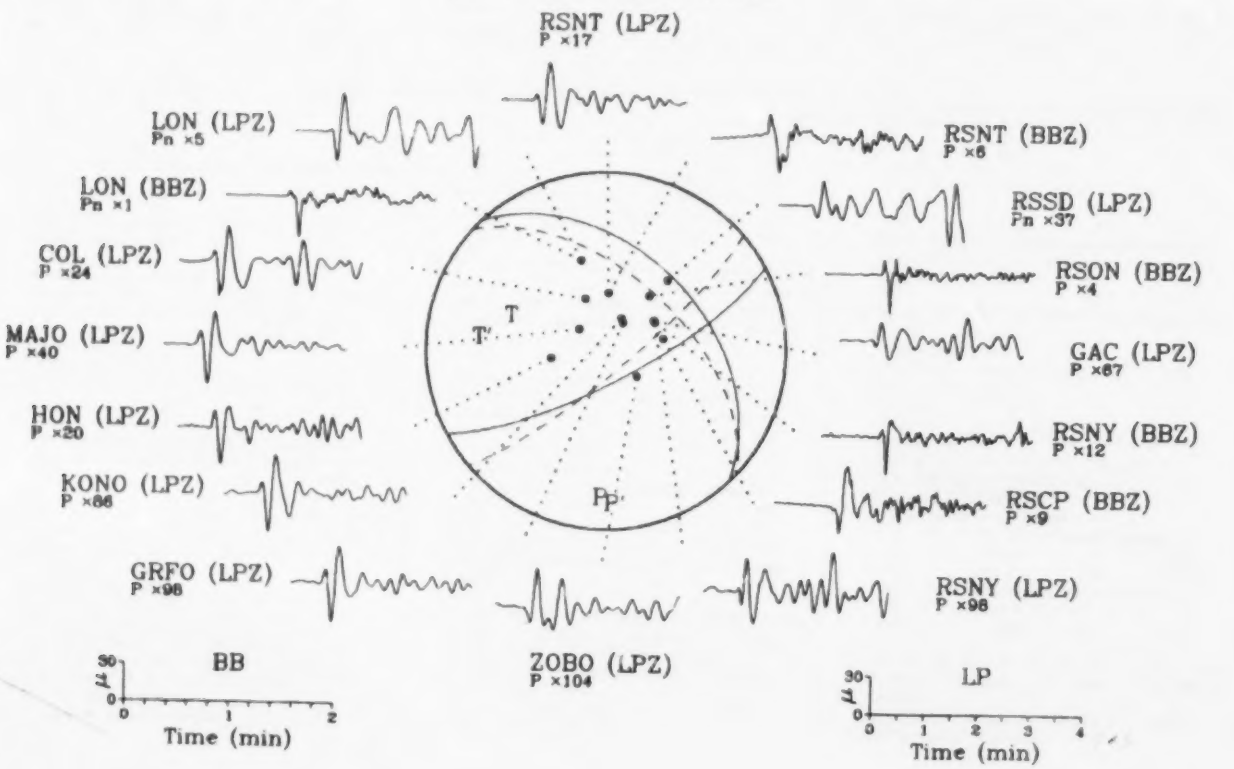
31 19 33 58.42 52.421S 18.099E 10km
5.1mb (7 obs.) 4.7Msz (2 obs.)
SOUTHWEST OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 19:34: 7.7 1.0
Lat 52.28S 0.10 Lon 18.75E 0.21
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 8.85 Plg=19 Azm=205
N -0.31 8 112
P -8.55 69 0
Best Double Couple:Mo=8.7*10**23
NP1:Strike=300 Dip=27 Slip= -72
NP2: 188 65 -99

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

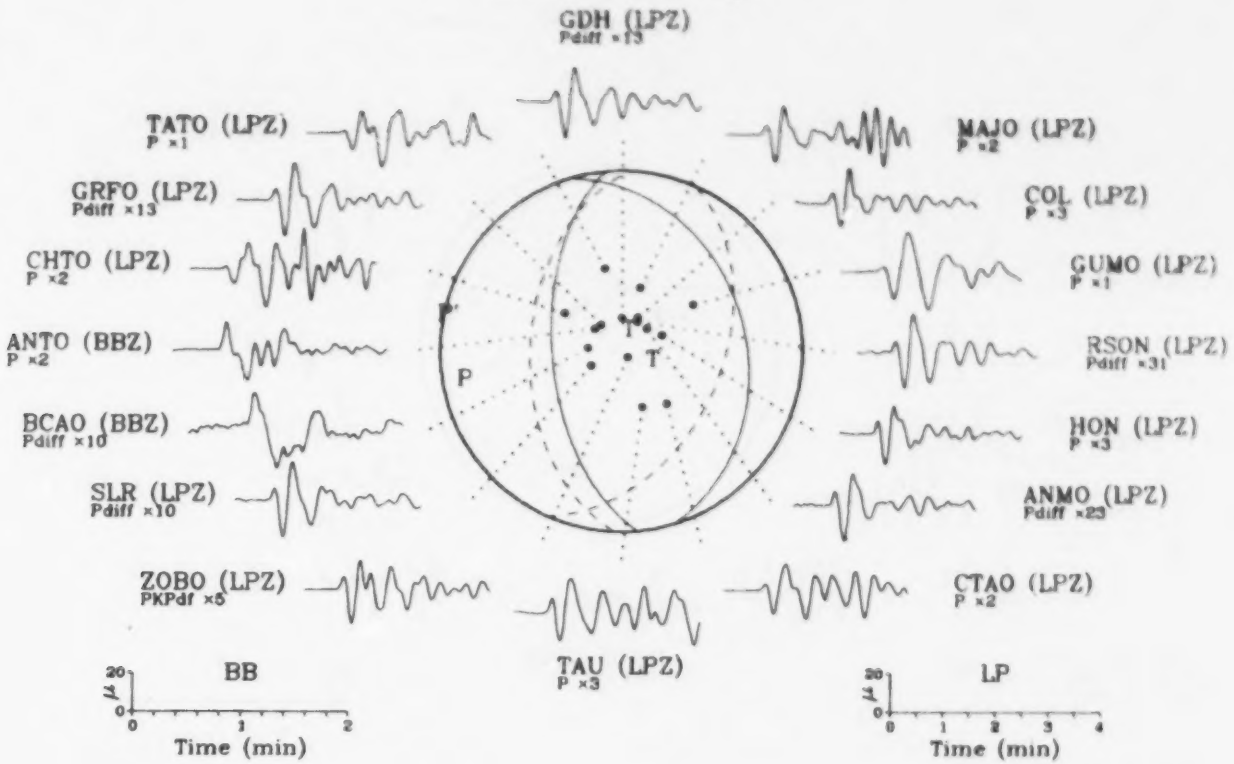
07 July 1986 16:26:56.61
Carlsberg Ridge



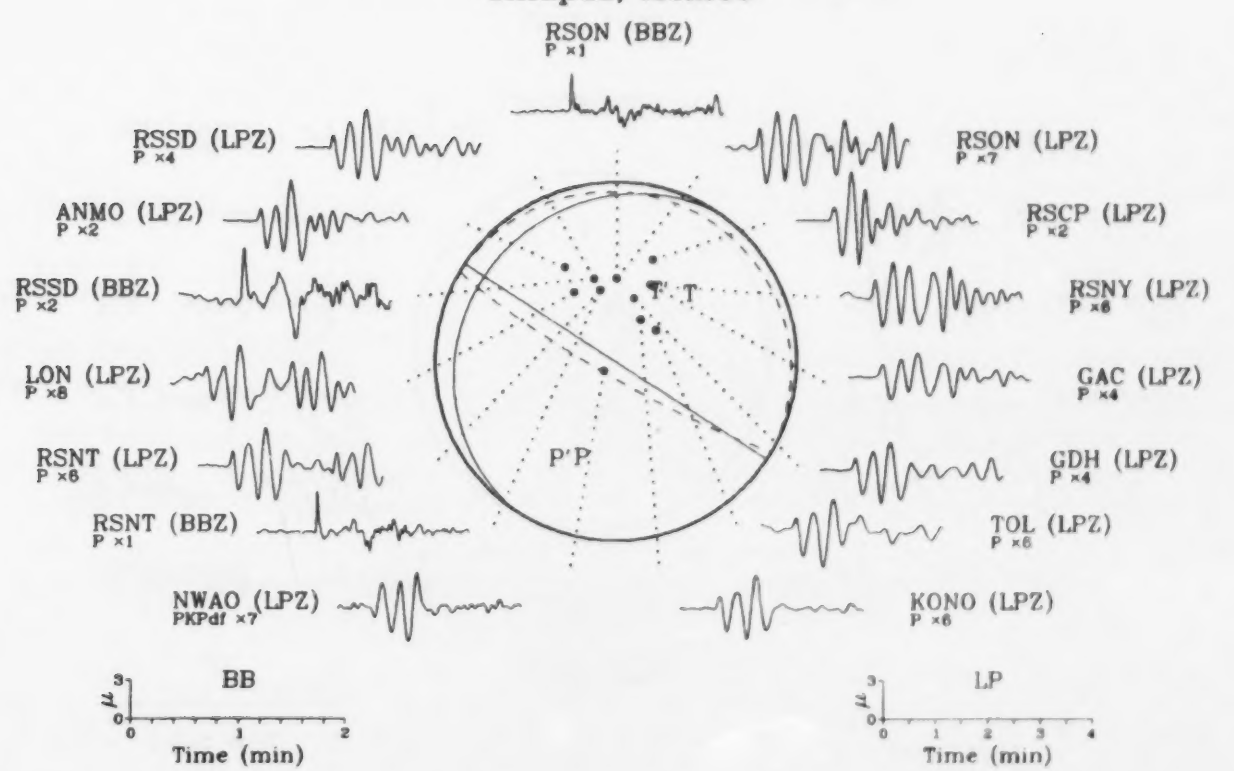
08 July 1986 09:20:44.50
Southern California



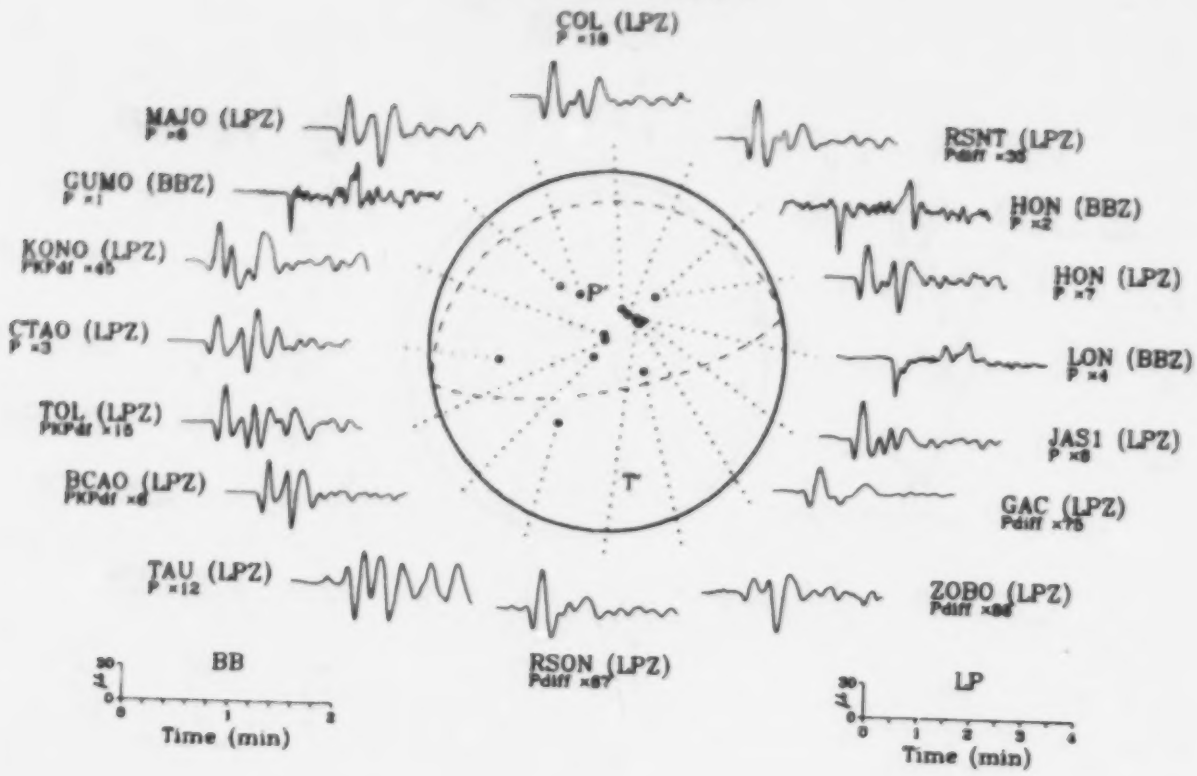
09 July 1986 23:10:53.10
Molucca Passage



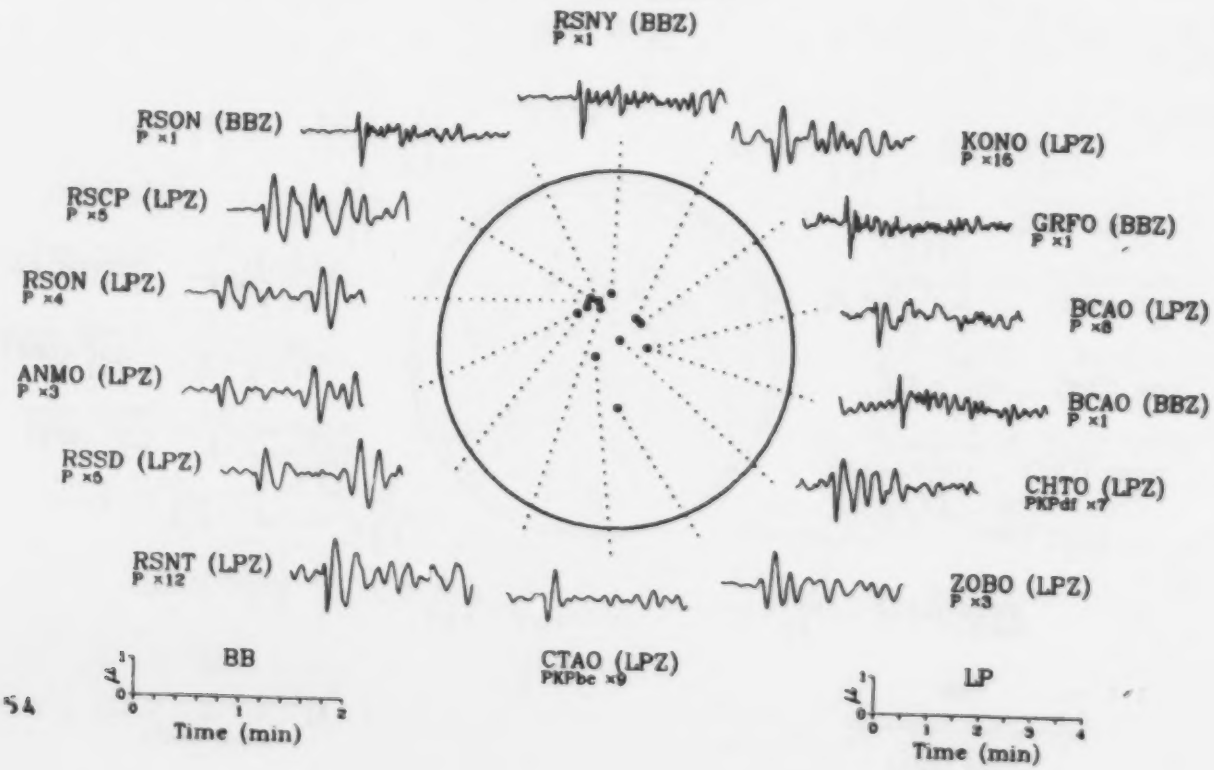
13 July 1986 09:12:10.71
Chiapas, Mexico



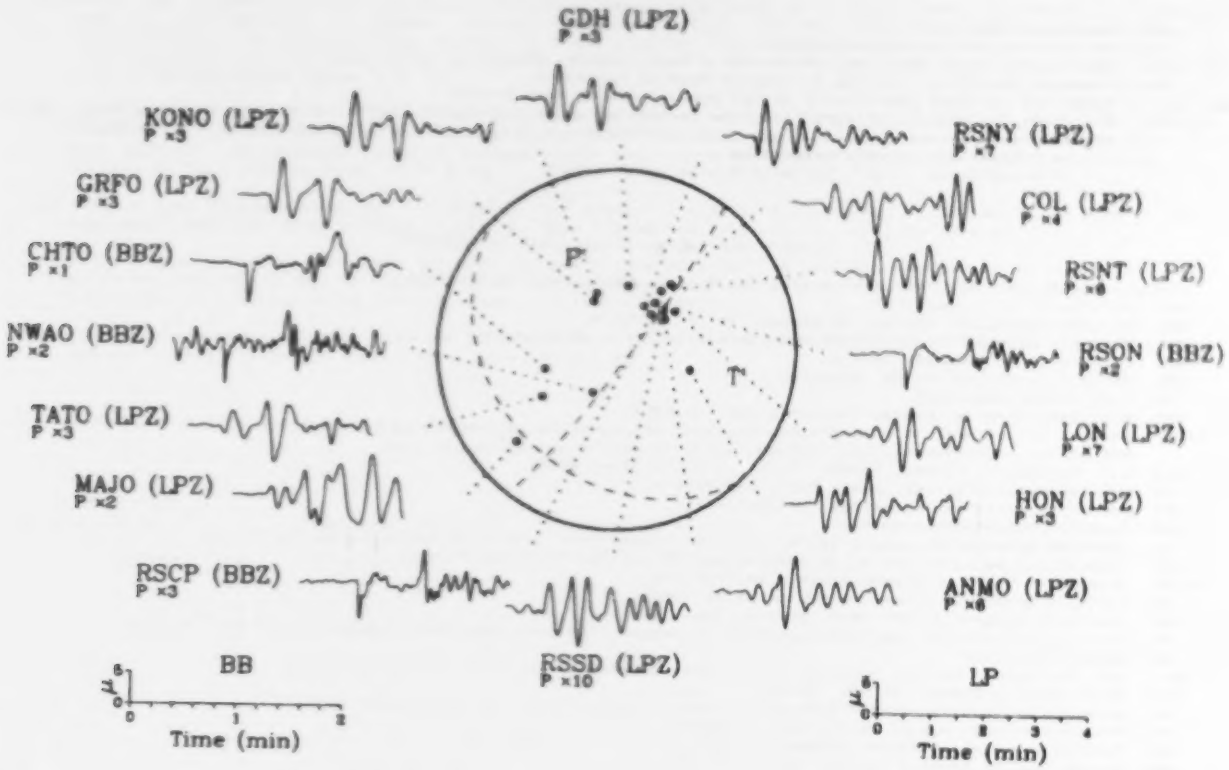
16 July 1986 12:41:28.32
Vanuatu Islands



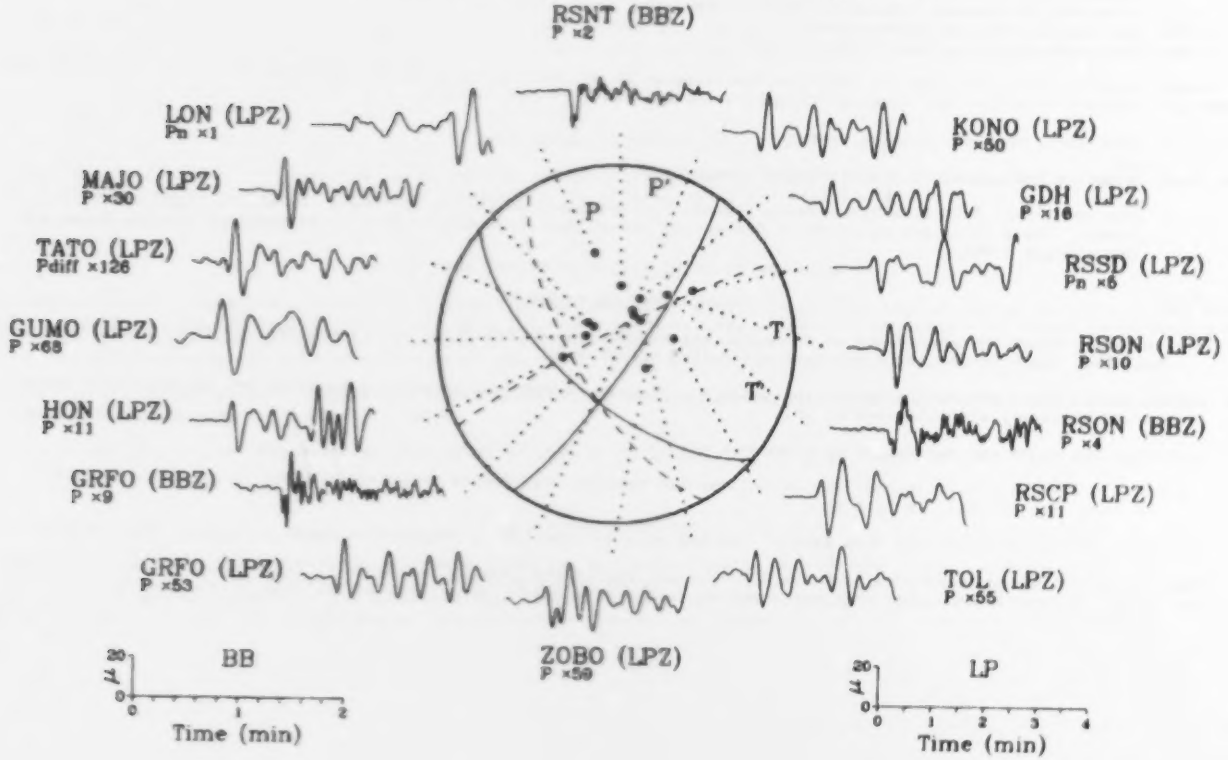
18 July 1986 17:22:38.24
Venezuela



19 July 1986 05:59:36.21
Kuril Islands



21 July 1986 14:42:26.60
California–Nevada Border Region



EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

mB - Body wave magnitudes.
Ms - Vertical surface wave magnitudes.
UTC - Coordinated Universal Time. HR MN SEC - Hour, minute, second.
SD - Standard Deviation from the arithmetic mean of residuals.
No. Sta. - Number of stations reporting P or PnP phases used in computation.
GET - (Printed vertically). A symbol in this column indicates additional source parameters and/or a focal sphere are published for this event in separate sections which follow the list of hypocenters. The symbols are:
a - Additional source parameters
f - Additional source parameters plus focal sphere

Symbols and Abbreviations Used in Comments

AGS Alaska Seismic Project, U.S. Geological Survey, Menlo Park, California.
APT University of Connecticut.
BGS British Geological Survey, Edinburgh, United Kingdom.
BLA Virginia Polytechnic Institute and State University, Blacksburg.
BOU University of Colorado, Boulder.
Bmx University of California, Berkeley.
CL Coda length magnitude.
DOE U.S. Department of Energy (formerly AEC and ERDA).
EXPLO Some or all parameters of explosion (controlled or accidental) supplied by any group or individual other than DOE or its predecessor organizations.
GLD U.S. Geological Survey, Golden, Colorado (other than NEIS).
GS U.S. Geological Survey, Menlo Park, California.
HRV Harvard University, Cambridge, Massachusetts.
HVO Hawaiian Volcano Observatory.
JMA Japan Meteorological Agency (generally used to indicate 7-point Japanese Intensity Scale).
LDG Laboratoire de Detection et de Geophysique, Bruyeres-le-Chatel, France.
MACRO Hypocenter based upon macroseismic information.
MD Duration magnitude (shown as DUR prior to 1986).
MDD Instituto Geografico Nacional, Madrid, Spain.
MG Contributed local or regional magnitude of unspecified type (see "Contributed Magnitudes" below).
MW Moment Magnitude.
NEIS U.S. Geological Survey, National Earthquake Information Service, Golden, Colorado.
OTT Earth Physics Branch, Ottawa, Canada.
PAL Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York.
PAS California Institute of Technology, Pasadena.
PGC Pacific Geoscience Centre, Sidney, British Columbia, Canada.
PWR Alaska Tsunami Warning Center, Palmer, Alaska.
REN University of Nevada, Reno.
RF Rossi-Forel Intensity Scale.
SEA University of Washington, Seattle.
SLC University of Utah, Salt Lake City.
SLM St. Louis University, Missouri.
SPEC An NEIS solution based on use of dense local networks, a local crustal model, or other methods not routinely applied in calculating the hypocenter parameters.
TEIC Tennessee Earthquake Information Center, Memphis.
TUL Oklahoma Geological Survey, Leonard.
WES Weston Observatory, Massachusetts.

Roman Numerals — Used to indicate intensity (when not followed by RF or JMA they refer to the Modified Mercalli Scale or any 12-point intensity scale closely related to it).

° ' " — Geographic degrees, minutes, seconds.

-P — Supplied hypocenter is a preliminary computation.

Any additional 3 to 5 letter codes enclosed in parentheses or angle brackets refer to individual station codes. These codes may be found in Geological Survey Open File Report 85-714, Seismograph Station Codes and Coordinates (1985).

Symbols Following Depth

N Indicates the depth was restrained at 33 km for earthquakes whose character on seismograms indicates a shallow focus but whose depth is not satisfactorily determined by the data.

D Indicates the depth was restrained by the computer program based on 2 or more compatible pP phases and/or unidentified secondary arrivals used as pP.

G Indicates the depth was restrained by a geophysicist.

* Indicates a less well-constrained free depth. The 90% marginal confidence interval on depth is greater than 8.5 km and less than or equal to 16.0 km.

? Indicates a poorly-constrained free depth. The 90% marginal confidence interval on depth is greater than 16.0 km.

The lack of any symbol indicates that the 90% marginal confidence interval on depth is less than or equal to 8.5 km, or that a contributed hypocenter was computed with a free depth, regardless of the size of the confidence interval.

Symbols Following Origin Time

A indicates that parameters of the hypocenter were supplied or determined by a computational procedure not normally used by the National Earthquake Information Service (NEIS). The source or nature of the determination is indicated by a 2 to 5 letter code enclosed by angle brackets and appearing in the first line of comments. A "-P" appended to the code indicates that the computation is preliminary. These codes are included with the list of abbreviations above.

% indicates a single network solution. A non-furnished hypocenter has been computed using data reported by a single network of stations for which the data and/or origin time cannot be confirmed from seismograms available to a NEIS analyst. The geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 16.0 km.

• indicates a less reliable solution. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 8.5 km and less than or equal to 16.0 km.

? indicates a poor solution, published for completeness of the catalog. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 16.0 km. This includes a poor solution computed using data reported by a single network.

The lack of any symbol indicates that the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 8.5 km.

COMPARISON OF RATINGS OF INTENSITY SCALES APPEARING IN PRELIMINARY DETERMINATION OF EPICENTERS

U.S.A. Modified Mercalli (M.M.), 1931	Japanese, 1950 (JMA)	Rossi-Forel, 1873 (RF)	European (Mercalli - Conconi-Sieberg), 1917
I	0	I	I
II	I	I-II	II
III	II	III	III
IV	II-III	IV-V	IV
V	III	V-VI	V
VI	IV	VI-VII	VI
VII	IV-V	VIII-	VII
VIII	V	VIII+-IX	VIII
IX	V-VI	IX+	IX
X	VI	X	X
XI	VII	X	XI
XII	VII	X	XII

TRAVEL-TIME TABLES

In general, all hypocenters have been computed based on the 1940 Jeffreys-Bullen P and 1968 Bolt PKP travel-time tables. Some other earth model or computational procedure may have been used for those hypocenters which have been indicated by an ampersand (&) following the origin time.

MACROSEISMIC INFORMATION

Macroseismic information is compiled from various sources, including newspaper articles, Foreign Broadcast Information Service messages, U.S. Geological Survey Earthquake Reports and seismological station reports.

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

The NEIS routinely interprets broadband data from the GDSN and RSTN using methods described by Harvey and Choy (1982) and by Choy and Boatwright (1981) for events with MB ≥ 5.8. The notation that a depth is obtained from broadband seismograms indicates that a depth was obtained by inversion of differential travel times of depth phases that are clearly identifiable at several stations using broadband records that are flat to displacement between approximately 0.01 and 5.0 Hz.

Choy, G. L. and J. Boatwright, The rupture characteristics of two deep earthquakes inferred from broadband GDSN data. Bull. Seism. Soc. Am., 71, 691-711, 1981.

Harvey, D. and G. L. Choy, Broadband deconvolution of GDSN data. Geophys. J. R. Astr. Soc., 69, 659-668, 1982.

FAULT PLANE SOLUTIONS

A fault plane solution is determined when possible for any earthquake having a magnitude ≥ 5.8. A description of this solution is reported in the comments on the Preliminary Determination of Epicenters Monthly Listing. Focal sphere solutions and first motion parameters are available upon request from: National Earthquake Information Service, U.S. Geological Survey, Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225.

USGS MAGNITUDES

All magnitudes are USGS magnitudes unless otherwise indicated. Average magnitudes are computed by a 25% trimmed mean as described by Rosenberger, J. L. and Gasko, M., 1983, "Comparing location estimators: trimmed means, medians, and trimean" in Understanding Robust and Exploratory Data Analysis, ed. Hoaglin, D.C., Mosteller, F., and Tukey, J. W., John Wiley, New York.

Ms These surface wave magnitudes are computed from the I.A.S.P.E.I. formula:

Ms = Log (A/T) + 1.66 Log D + 3.3

where:

A is the maximum ground amplitude in micrometers (microns) of the vertical component of the surface wave within the period range $1S \leq T \leq 22$.

T is the period in seconds.

D is the distance in geocentric degrees (station to epicenter) and $20° \leq D \leq 160°$.

No depth corrections are applied, and Ms magnitudes are not generally computed for depths greater than 50 km. The Ms value published is the average of the individual station magnitudes from reported T and A data.

If the uncertainty of the computed depth is considered great enough that the depth could be less than 50 km, an MS value may still be published, computed by the I.A.S.P.E.I. formula and not corrected for depth.

In general, the Ms magnitude is more reliable than the MB magnitude as a means of yielding the relative "size" of a shallow-focus earthquake.

MB These compressional body wave (P-wave) magnitudes are computed according to the formula:

MB = Log (A/T) + Q(D,h)

defined by Gutenberg and Richter (1956) except that T, the period in seconds, is restricted to $0.1 \leq T \leq 3.0$ and A, the ground amplitude in micrometers, is not necessarily the maximum in the P group. Q is a function of distance (D) and depth (h) where $D \geq 5°$.

mbLg These Lg body wave magnitudes are computed according to the formula:

mbLg = 3.75 + 0.98 Log D + Log (A/T) for $0.5° \leq D \leq 4°$

mbLg = 3.38 + 1.66 Log D + Log (A/T) for $4° \leq D \leq 30°$

as proposed by Nuttli (1973) where A is the ground amplitude in micrometers and T is the period in seconds calculated from the vertical component 1-second Lg waves. D is the distance in geocentric degrees.

ML These local magnitudes are computed according to the formula:

ML = Log A − Log Ao

defined by Richter (1935) where A is the maximum trace amplitude in micrometers recorded on a standard short-period torsion seismometer and Log Ao is a standard value as a function of distance where distance ≤ 600 km.

CONTRIBUTED MAGNITUDES

Magnitudes appearing in the comments which have been contributed by organizations operating a network of stations may have been calculated from any one station in the network or may be an average magnitude from a number of stations from the network.

Beginning with January, 1986, a contributed magnitude of unspecified type may be quoted (using the designator MC) for events which have no other magnitudes given or computed. These MC magnitudes either have been reported by the contributer without listing the type (such as "Mag 3.5") or have been computed using procedures which are not defined by the magnitude types routinely reported in this bulletin. Direct inquiries should be made to the contributer (shown in parentheses after the magnitude) concerning the specific details of the computational procedures used to determine these values.

REFERENCES

Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: Annali di Geofisica, v. 9, no. 1, p. 1–15.

Nuttli, O. W., 1973, Seismic wave attenuation and magnitude relations for eastern North America: Journal of Geophysical Research, v. 78, no. 5, p. 876–885.

Richter, C. F., 1935, An instrumental earthquake scale: Bulletin of the Seismological Society of America, v. 25, p. 1–32.

WAVEFORM PLOTS

Each month selected events with MB ≥ 5.8 will be shown. For each event, up to sixteen body phase waveforms will be selected for display around the periphery of an equal area plot of the lower hemisphere of the focal sphere. Each waveform will be connected by a dotted line to a symbol marking the corresponding azimuth and take-off angle on the focal sphere. For reference, the nodal planes, compression axis (P), and tension axis (T) will also be plotted when solutions are available. The dominant double couple of the USGS moment tensor will be shown in solid lines with the axes designated by P and T respectively. The NEIS first motions fault plane solution will be shown in dashed lines with the axis designated by P' and T' respectively. If both solutions are available, the primed axes may be suppressed unless they are sufficiently different from the unprimed axes. Each event will be titled with its origin date-time and Flinn-Engdahl region name to facilitate cross-referencing with the Monthly Listing text.

Each waveform will be identified by station code, data type, phase name and scale factor. The data type indicated by LP will be from the long-period channel at the designated station. Each LP waveform will be comprised of approximately one-half minute of noise followed by three minutes of signal. Time and amplitude are referenced to a set of axes shown in the lower right hand corner of each plot. The scale factor is an integer from which absolute amplitude, in micrometers of ground displacement at the dominant period of the pass-band (25 s), may be determined. Absolute amplitude may be recovered by measuring the amplitude of the seismogram relative to the amplitude axis and dividing it by the scale factor. Other data types are indicated by IP (intermediate-period channel), SP (short-period channel), and BB (broad-band displacement). As these types of data have a different pass-band than LP data, different time and amplitude scales than those used for LP data will generally be needed. These scales will be shown in the lower left hand corner of each plot. As with the LP waveforms, the absolute amplitudes of the other data types may be recovered from the amplitude scale and the scale factor. For IP data, the absolute amplitude is referenced to 10 seconds. For SP data, the absolute amplitude is referenced to the dominant period of the pass-band (1 s). BB data are directly proportional to displacement from 0.01 Hz to at least 2 Hz. In addition, each component will be identified by a direction indicator (ie N, E, Z, R and T for north-south, east-west, vertical, radial, and transverse, respectively). Note that the dominant period approximation will not be valid for IP data. However, the scaling will still be correct.

Waveforms will primarily be selected to display variations in the P waveform as a function of azimuth. If space permits, some PKP waveforms may be shown as well. To this end, waveforms which are clipped, non-linear, or very noisy will be rejected. Further, only one of several stations at similar distance and azimuth may be used if all show similar waveforms. Note that the importance of a record in focal parameter derivation will not be considered. Thus, many seismograms will be shown which have not been used in the USGS moment tensor solution. Conversely, records which have been important in constraining one or both solutions may have been passed over for lack of space. The data are derived from the U.S.G.S. Global Digital Seismograph Network (GDSN) and from data contributed by other organizations for distribution on either the Network Day Tapes or Event Tapes. For details on data sources, see the National Earthquake Information Center Newsletter.

R. P. Buland and M. Zirbes, U.S. Geological Survey, Mail Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225 USA

EXPLANATION OF THE ENTRIES "MOMENT TENSOR SOLUTION" (USGS)

These solutions have been determined using the body-wave moment tensor inversion method described by Sipkin (1982).

1. NUMBER OF STATIONS: Number of GDSN stations with distances between approximately 30 and 95 degrees found to have suitable P waveforms. Only unfiltered long-period vertical components are used.

2. DEPTH: The source depth which gives the smallest normalized mean-squared-error. This is the only hypocentral parameter determined since the inversion procedure is insensitive to small errors in both epicenter and origin time.

3. SCALE)
4. PRINCIPAL AXES) See "Centroid, Moment Tensor (HRV)"
5. BEST DOUBLE COUPLE)

S. A. Sipkin, U.S. Geological Survey, Mail Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225 USA

Sipkin, S. A., 1982, Estimation of earthquake source parameters by the inversion of waveform data: synthetic seismograms: Physics of the Earth and Planetary Interiors, v. 30, no. 2-3, p. 242-259.

BERKELEY MOMENT

The seismic moment (Mo) contributed by the University of California, Berkeley (BRK), is given for regional earthquakes based on Wood-Anderson torsion seismograms recorded within 300 km of the epicenter with peak-to-peak amplitudes of at least 3 mm. This seismic moment (Mo) in dyne-cm is defined by Log Mo = 16.74 + 1.22Log(CDΔ), where C is the maximum peak-to-peak amplitude in mm, D is the duration in seconds from the time of the S-wave onset to the last time that the peak-to-peak amplitude exceeds C/3, and Δ is the epicentral distance in km.

Bolt, B.A. and Herraiz, M. 1983, Simplified estimation of seismic moment from seismograms: Bulletin of the Seismological Society of America, v. 73, p. 735-748.

EXPLANATION OF THE ENTRIES "CENTROID, MOMENT TENSOR (MDV)"

These solutions have been determined using the long period body and mantle wave moment tensor inversion method described by Dziewonski, et al. (1981) considering corrections due to an aspherical earth structure of model MB4C (Woodhouse and Dziewonski, 1984).

1. DATA USED; currently both GDSN and IDA data are used. The numbers following the entries L. P. BODY WAVES and MANTLE WAVES indicate the number of stations (S), total number of records (C) and T is the cut-off period of the low pass filter for each of the subsets of data. Mantle waves are routinely used in inversion for sources with moments greater than $10^{**}28$ dyne-cm.

2. CENTROID LOCATION; hypocentral parameters obtained by adding perturbations resulting from inversion to the parameters reported in the PDE; standard errors follow the individual entries. If a given parameter is not perturbed in inversion, this is indicated by the letters FIX. If the depth is fixed to be consistent with waveform matching of reconstructed broad-band body waves, this is indicated by the letters BDY. The default depth for shallow earthquakes is increased to 15 km in order to improve the stability of solutions; it was 10 km. in 1981-1985.

3. MOMENT TENSOR. The scale factor (e.g., $10^{**}27$D-CM) is the number by which all subsequent entries related to values of the moment should be multiplied. For the moment tensor we give components in a spherical coordinate system: $M_{RR} = M_{rr}$; $M_{TT} = M_{\theta\theta}$; $M_{FF} = M_{\phi\phi}$; $M_{RT} = M_{r\theta}$; $M_{RF} = M_{r\phi}$; $M_{TF} = M_{\theta\phi}$. In another frequently used notation: $M_{RR} = M_{zz}$; $M_{TT} = M_{xx}$, $M_{FF} = M_{yy}$; $M_{RT} = M_{xz}$; $M_{RF} = -M_{yz}$; $M_{TF} = -M_{xy}$(see Aki and Richards, 1980, p. 118). The solutions are constrained to have $M_{RR} + M_{TT} + M_{FF} = 0$. The values following the entries for the elements of the moment tensor and centroid co-ordinates are standard errors, calculated under the usual assumption of uncorrelated errors in the data. The lateral heterogeneity of the Earth, however, clearly leads to systematic errors, and so the errors listed probably underestimate the true error in the solution.

4. PRINCIPAL AXES; relation of the moment tensor into the principal axes system. Most of the solutions are predominantly of the double couple type: the largest positive eigenvalue corresponds to the tension axis (T); the usually small, intermediate eigenvalue is associated with the null axis (N); the smallest negative eigenvalue is identified with the compression axis (P). PLG are the plunges and AZM the azimuths of the axes.

5. BEST DOUBLE COUPLE. If the eigenvalue (T) is σ_1 and (P) is $-\sigma_3$, then the scalar seismic moment is defined as $M_0 = 1/2(\sigma_1 + \sigma_3)$. The strike, dip and slip of the first (NP1) and second (NP2) nodal planes are calculated from the directions of the P, T, and N axes. The remainder is a linear-vector dipole (Knopoff and Randall, 1970); in most cases the magnitude of LVD is small. Although all such decompositions are highly non-unique, this particular one is the best in estimating the starting solution for the non-linear, constrained double couple inverse problem. The angles strike, dip, and slip are defined using the convention of Aki and Richards (1980, p. 106) and are the angles designated there as ϕ_s, δ, λ, respectively.

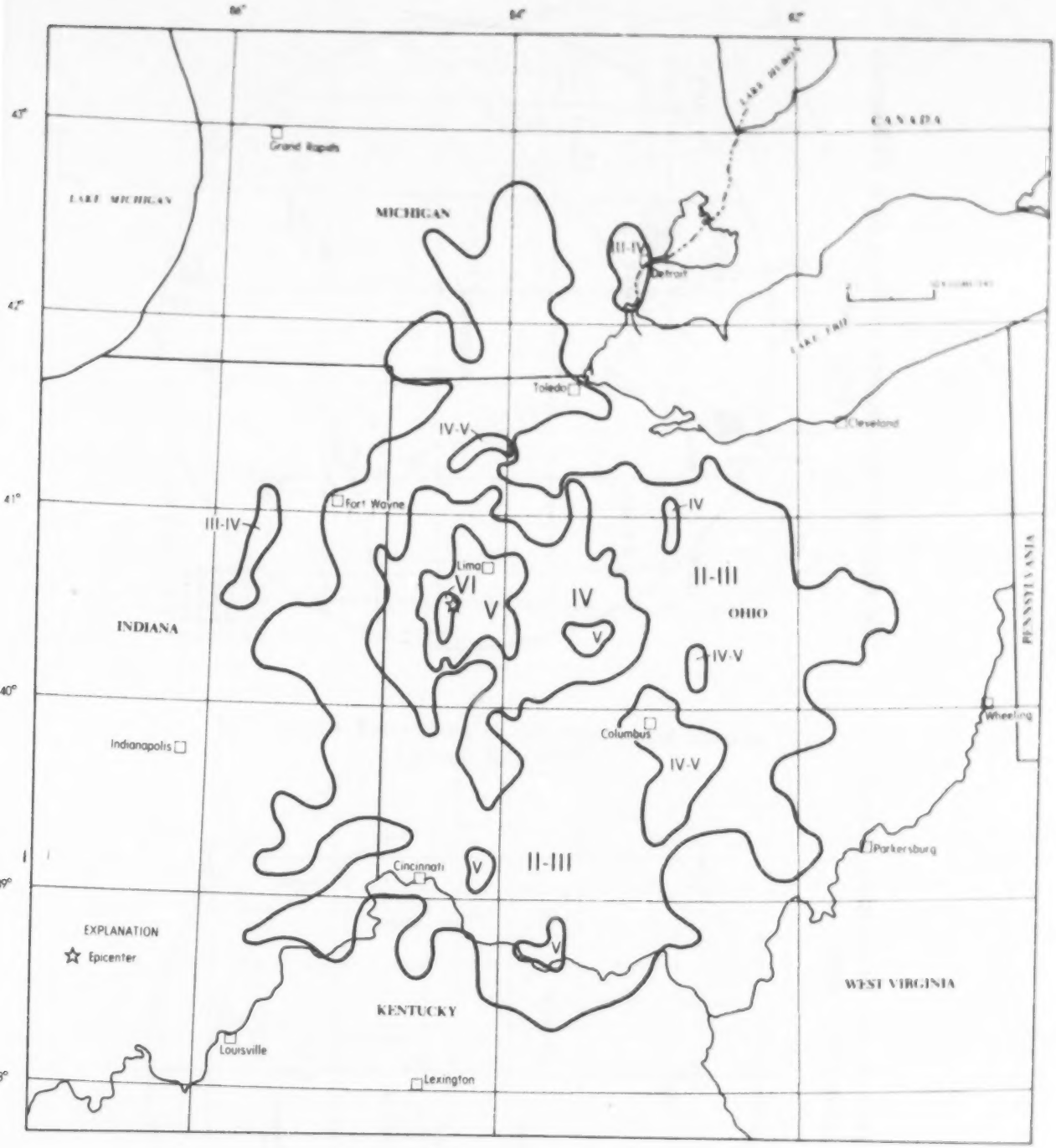
A. M. Dziewonski, G. Ekstrom, J. Franzen, D. Giardini and J. H. Woodhouse, Department of Geological Sciences, Harvard University, Cambridge, MA 02138

Aki, K. and Richards, P. G., Quantitative Seismology, Volume 1, W. H. Freeman, San Francisco, 1980, 557 pp.

Dziewonski, A. M., Chou, T. A., Woodhouse, J. H., Determination of earthquake source parameters from waveform data for studies of global and regional seismicity, J. Geophys. Res., 86, 2825-2852, 1981.

Knopoff, L. and Randall, M. J., The compensated linear-vector dipole: A possible mechanism for deep earthquakes, J. Geophys. Res., 75, 4957-4963, 1970.

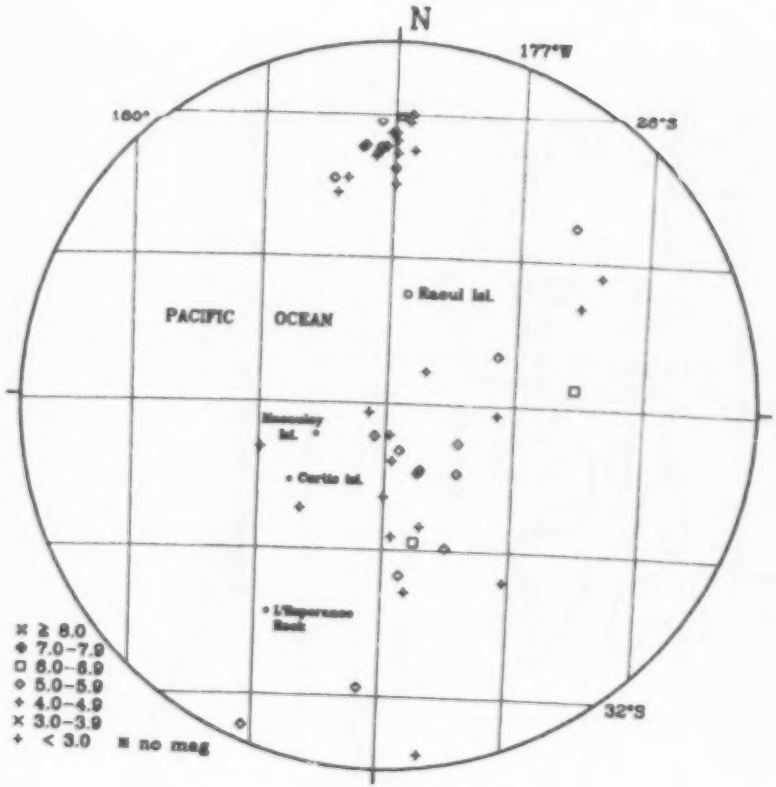
Woodhouse, J. H. and A. M. Dziewonski, Mapping the upper mantle: Three dimensional modelling of earth structure by inversion of seismic waveforms, J. Geophys. Res., 89, 5953-5986, 1984.



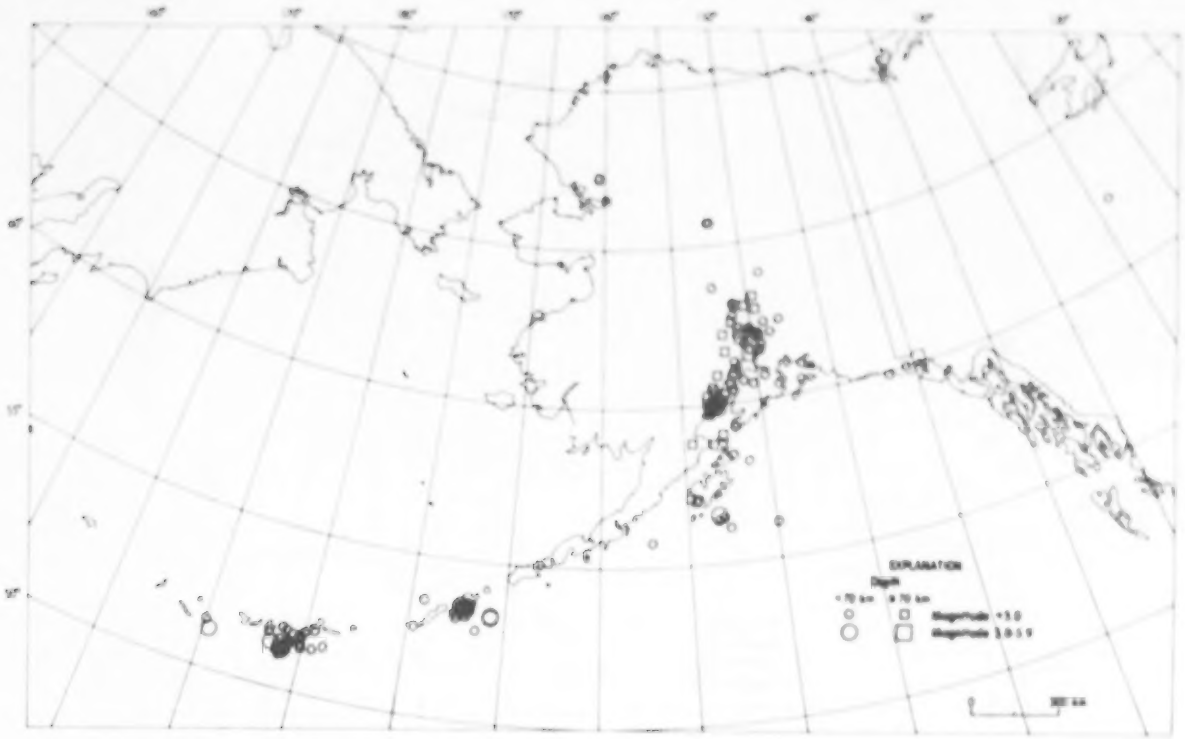
Isoseismal map of the 12 July 1986 Ohio earthquake.

by Carl W. Stover

Earthquake Epicenters in the Kermadec Islands
June and July, 1986

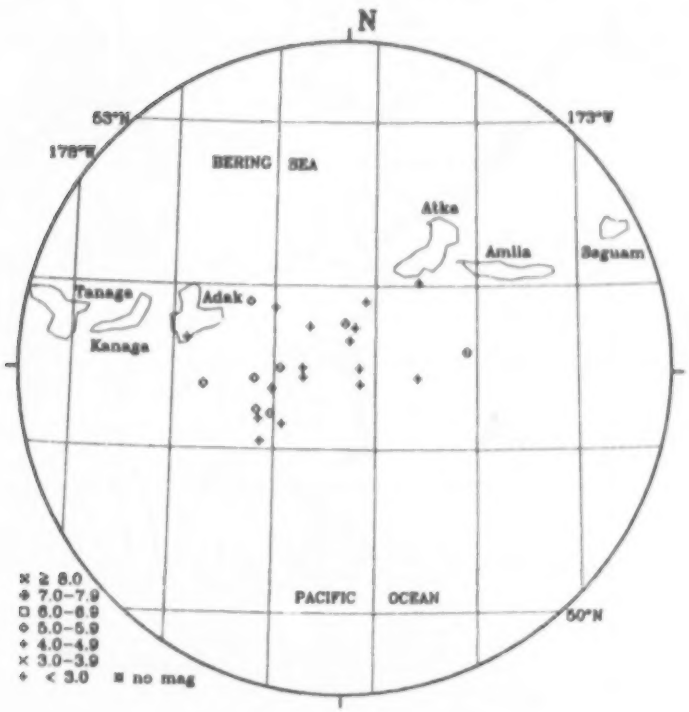


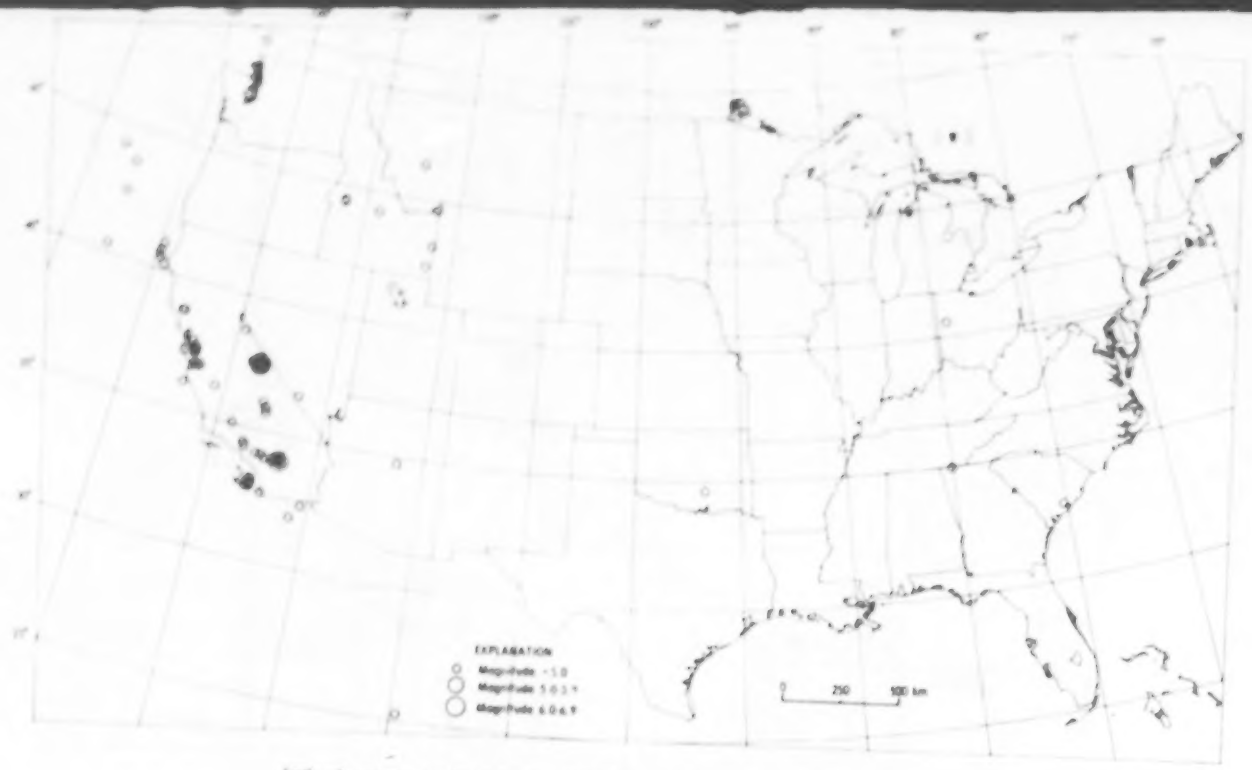
Earthquake Epicenters in Southern California
July, 1986



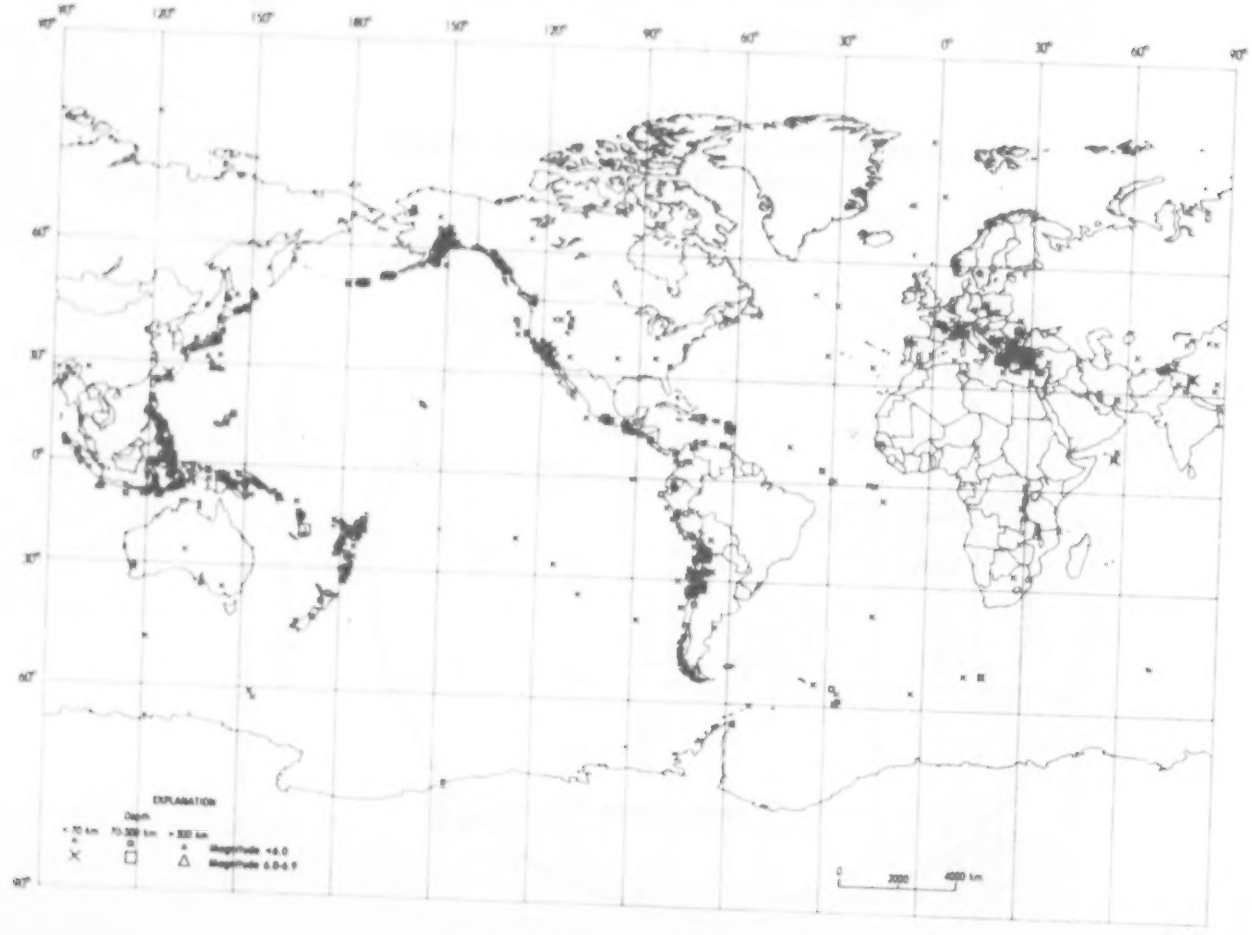
Earthquake epicenters in Alaska and adjacent regions for July, 1986 (C. Stover)

Earthquake Epicenters in the Andreanof Islands, Alaska, July 1986





Earthquake epicenters in the conterminous United States and adjacent regions for July, 1986 (C. Stover).



Earthquakes located in July, 1986 (C. Stover).

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K E Y	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Mbz	SD	STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	02	27	44.2*	20.480 S	178.685 W	620	4.5		1.0	31	FIJI ISLANDS REGION
	01	03	36	31.8*	50.271 N	18.887 E	10 G			1.2	6	POLAND. ML 3.4 (KRA).
	01	04	13	33.8	21.856 S	68.898 W	33 N			0.5	6	CHILE-BOLIVIA BORDER REGION
	01	04	34	37.7*	19.973 N	146.481 E	59 *	4.9		1.0	25	MARIANA ISLANDS REGION
	01	05	04	41.0	37.508 N	118.326 W	10 G			0.6	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (NEIS).
	01	05	49	01.1?	33.35 S	72.06 W	10 G			0.4	8	OFF COAST OF CENTRAL CHILE
	01	06	34	42.9	37.561 N	118.304 W	10 G			0.6	26	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (BRK).
	01	07	00	36.8*	52.622 S	18.268 E	10 G	4.6	4.7	0.8	8	SOUTHWEST OF AFRICA
	01	07	32	13.1%	33.689 S	70.678 W	33 N			1.3	7	CHILE-ARGENTINA BORDER REGION
	01	07	55	48.0?	12.71 S	34.10 E	10 G			0.7	5	MALAWI. MG 3.5 (BUL).
	01	10	15	19.1?	32.12 S	71.40 W	10 G			0.8	6	NEAR COAST OF CENTRAL CHILE
	01	11	42	19.3?	33.04 S	72.32 W	33 N			0.3	6	OFF COAST OF CENTRAL CHILE
	01	13	27	01.7&	62.634 N	148.558 W	24				33	CENTRAL ALASKA. <AGS-P>.
	01	13	56	36.6*	72.914 N	55.858 E	10 G	4.7		1.2	38	NOVAYA ZEMLYA
	01	13	59	09.2	38.542 N	21.341 E	192 *			0.7	21	GREECE
e	01	14	09	24.9	35.880 S	103.702 W	10 G	5.5	5.8	1.1	106	SOUTHERN PACIFIC OCEAN
	01	14	27	16.0	37.501 N	118.382 W	5 G	4.2		1.0	38	CALIFORNIA-NEVADA BORDER REGION. ML 4.3 (BRK).
	01	14	28	18.0	37.375 N	118.442 W	5 G	4.9		1.0	54	CALIFORNIA-NEVADA BORDER REGION. ML 4.7 (BRK).
	01	14	34	13.0*	43.176 N	25.859 E	10 G			1.3	7	BULGARIA
	01	14	35	47.2?	21.18 S	175.87 W	197 ?	4.5		1.0	14	TONGA ISLANDS
	01	14	40	28.8?	42.28 N	19.98 E	10 G			0.1	4	YUGOSLAVIA. ML 2.4 (TTG).
	01	15	02	08.2	39.329 N	23.549 E	10 G			0.5	13	AEGEAN SEA. ML 2.9 (ATH).
	01	15	10	44.2&	37.493 N	118.415 W	6				18	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.6 (BRK).
e	01	16	20	59.1	16.948 S	179.089 W	517	4.9		0.9	89	FIJI ISLANDS REGION
	01	16	43	08.4*	53.495 N	167.236 W	33 N	4.6		0.8	11	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR). Felt on Unalaska.
	01	18	37	17.4*	39.987 N	23.414 E	10 G			1.2	10	AEGEAN SEA
	01	19	46	34.9*	51.171 N	176.198 W	33 N	4.8		0.9	23	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
	01	20	24	59.4	51.163 N	176.138 W	33 N	4.8	4.9	0.9	54	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR). Felt on Adak.
	01	21	03	06.7	44.587 N	10.685 E	10 G			1.2	26	NORTHERN ITALY. ML 3.5 (LDG), 3.1 (KBA), 2.8 (TRI).
e	01	21	08	39.7	51.389 N	174.283 W	33 N	5.5	5.8	0.9	142	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR). Felt (IV) on Adak.
	01	21	41	23.4*	51.392 N	174.245 W	33 N	4.8		0.7	39	ANDREANOF ISLANDS, ALEUTIAN IS.
	01	21	48	40.8*	51.416 N	174.212 W	33 N	4.9		0.9	44	ANDREANOF ISLANDS, ALEUTIAN IS.
	01	21	49	18.9*	51.442 N	176.267 W	33 N	4.3		0.7	12	ANDREANOF ISLANDS, ALEUTIAN IS.
	01	22	09	26.0?	51.55 N	174.15 W	33 N	4.5		0.8	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	01	22	17	38.9?	15.33 S	173.26 W	33 N	5.4		1.0	17	TONGA ISLANDS
	01	23	47	20.6	4.720 S	101.819 E	33 N	5.3	4.8	1.2	51	SOUTHERN SUMATERA
	01	01	52	40.0?	17.33 N	62.18 W	10 G			0.2	5	LEEWARD ISLANDS. ML 3.3 (FDF).
	02	04	39	12.0?	33.60 S	72.54 W	33 N			0.7	11	OFF COAST OF CENTRAL CHILE
	02	04	41	05.7?	33.57 S	72.60 W	33 N			0.4	8	OFF COAST OF CENTRAL CHILE
	02	04	52	15.9	40.026 N	22.274 E	10 G			1.2	10	GREECE
	02	05	03	13.4	40.434 N	21.597 E	10			0.7	10	GREECE. ML 2.7 (TTG).
	02	05	50	19.7*	36.385 N	50.581 E	33 N	4.1		1.3	8	IRAN
	02	05	58	10.6	41.118 N	19.613 E	13			1.1	23	ALBANIA. ML 3.4 (TTG).
	02	06	37	06.4*	51.314 N	175.992 W	33 N	5.0		1.1	12	ANDREANOF ISLANDS, ALEUTIAN IS.
	02	08	17	13.1*	19.847 S	177.270 W	549 *	4.4		0.6	18	FIJI ISLANDS REGION
	02	08	41	59.6*	39.295 N	23.870 E	11			1.5	17	AEGEAN SEA. ML 3.1 (ATH).
	02	11	18	52.0	18.199 S	167.959 E	33 N	5.0		1.4	54	VANUATU ISLANDS
	02	11	36	57.1	34.082 N	116.649 W	10 G			1.0	10	SOUTHERN CALIFORNIA. ML 3.5 (NEIS). Felt in the Palm Springs area.
	02	12	03	04.0?	43.45 N	12.68 E	10 G			0.5	6	CENTRAL ITALY. ML 2.8 (KBA).
	02	12	40	23.3*	28.103 S	177.931 W	33 N	5.0	5.1	1.2	14	KERMADEC ISLANDS REGION
e	02	12	42	12.4	28.364 S	177.686 W	33 N	5.2	5.3	1.2	49	KERMADEC ISLANDS REGION
	02	12	44	42.7	43.507 N	12.482 E	10 G			1.2	18	CENTRAL ITALY. ML 3.8 (TRI), 3.7 (KBA).
	02	13	18	49.3&	59.748 N	153.484 W	114				17	SOUTHERN ALASKA. <AGS-P>.
	02	14	01	01.9*	52.882 N	168.198 W	33 N	4.3		1.1	11	FOX ISLANDS, ALEUTIAN ISLANDS

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	02	14	51	36.2	37.594	N	118.368	W	5	G			0.8	20	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK).
	02	16	36	17.5?	52.06	N	17.31	E	10	G			0.7	10	POLAND. ML 3.8 (VKA).
o	02	17	49	25.6	13.073	N	88.806	W	80		5.4		1.0	218	EL SALVADOR. Felt (V) at San Salvador.
	02	18	39	06.4	42.382	N	19.915	E	10	•			0.5	8	YUGOSLAVIA. ML 2.5 (TTG).
	02	18	49	23.0	4.481	S	143.836	E	130		4.7		1.0	17	PAPUA NEW GUINEA
	02	19	58	16.0?	51.41	N	174.76	W	33	N	4.7		0.9	9	ANDREANOF ISLANDS, ALEUTIAN IS.
o	02	20	35	36.2	58.265	S	15.319	W	10	G	5.4	5.2	1.1	56	SOUTHWESTERN ATLANTIC OCEAN
	02	23	31	58.2	7.581	N	126.682	E	33	N	4.7		0.9	27	MINDANAO, PHILIPPINE ISLANDS
	03	00	08	34.9	17.075	N	62.852	W	100		4.9		0.8	62	LEEWARD ISLANDS. Felt (II) on Guadeloupe. Felt widely on Antigua and St. Kitts.
	03	00	29	10.3	23.365	S	69.898	W	143	•	4.7		1.2	18	NORTHERN CHILE
	03	01	33	20.3	37.200	N	37.300	E	12		5.0	4.1	1.1	130	TURKEY. Seventy houses damaged at Yesilce, Ucpare and Sam, Gaziantep Province; 3 houses damaged at Karabiyikli, Kahraman Maras Province. Felt at Kahramanmaras, Adiyaman and Malatya. Felt also in the Eskisehir area.
	03	01	37	41.1•	62.587	N	25.733	W	10	G	4.7		1.0	31	ICELAND REGION
	03	02	39	28.8	51.488	N	174.163	W	33	N	5.0		1.1	82	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR). Felt on Adak.
	03	05	00	05.8	44.134	N	10.952	E	10	G			1.2	10	NORTHERN ITALY. ML 2.7 (LDG).
	03	05	10	30.7•	5.370	S	151.652	E	99	?	4.3		1.0	8	NEW BRITAIN REGION
	03	06	26	26.6&	61.542	N	148.491	W	1					37	SOUTHERN YUKON TERRITORY, CANADA. <AGS-P>. ML 3.6 (PMR).
	03	06	30	17.2&	56.602	N	142.717	W	31					16	GULF OF ALASKA. <AGS-P>.
	03	06	39	58.6•	17.038	S	66.971	W	10	G			0.9	5	BOLIVIA
	03	09	00	13.6	36.592	N	121.233	W	10	G			0.8	13	CENTRAL CALIFORNIA. ML 2.9 (BRK).
	03	09	07	41.0?	20.73	S	68.92	W	157	?			1.1	7	CHILE-BOLIVIA BORDER REGION
	03	10	33	04.5	37.615	N	118.410	W	5	G	3.6		0.7	35	CALIFORNIA-NEVADA BORDER REGION. ML 4.0 (BRK).
	03	10	37	03.4&	37.592	N	118.440	W	7					13	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	03	12	15	11.9	15.717	N	92.428	W	136	D	4.5		0.9	48	MEXICO-GUATEMALA BORDER REGION
	03	12	49	37.5?	22.36	S	179.76	W	595	•	4.5		0.7	13	SOUTH OF FIJI ISLANDS
o	03	13	29	10.1	51.164	N	176.889	W	33	N	5.4	5.6	0.9	242	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.8 (PMR), Mw 5.7 (BRK). Felt (IV) on Adak. Also felt on Atka.
	03	13	44	55.0	51.112	N	176.786	W	33	N	4.7		1.2	35	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.1 (PMR). Felt on Adak.
	03	14	32	01.6•	20.099	S	178.289	W	566	•	4.3		1.0	20	FIJI ISLANDS REGION
	03	16	02	36.2•	11.514	S	118.681	E	33	N	4.7		0.8	7	SOUTH OF SUMBAWA ISLAND
	03	16	15	30.8&	40.437	N	125.317	W	5	G	4.0			27	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK).
	03	16	37	22.7•	39.881	N	27.034	E	10	G			0.5	5	TURKEY
	03	17	45	12.8•	5.556	N	127.057	E	188	?	4.3		1.0	13	PHILIPPINE ISLANDS REGION
	03	18	52	43.0?	33.03	S	72.05	W	10	G			0.2	6	OFF COAST OF CENTRAL CHILE
	03	20	08	20.7	51.892	N	176.787	W	33	N	4.8	4.9	1.0	41	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR). Felt on Adak.
	03	20	48	36.6&	62.543	N	149.775	W	78					20	CENTRAL ALASKA. <AGS-P>.
	03	21	36	21.5•	51.147	N	176.688	W	33	N	4.7		0.9	16	ANDREANOF ISLANDS, ALEUTIAN IS.
	03	21	52	56.1•	7.203	S	129.318	E	188	?	4.7		1.3	19	BANDA SEA
	03	23	44	53.3	8.237	S	161.788	E	67	•	4.7		0.9	64	SOLOMON ISLANDS
	04	00	37	43.4•	4.188	S	152.646	E	49	•	4.6		1.2	19	NEW BRITAIN REGION
	04	01	32	20.5?	4.45	S	153.59	E	127	•	4.2		1.2	6	NEW IRELAND REGION
	04	03	41	41.9&	37.432	N	121.783	W	7					29	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Felt (IV) at San Jose and (III) at Santa Clara.
	04	04	48	36.5&	60.484	N	147.247	W	19					45	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR).
	04	05	33	28.8	40.947	N	19.833	E	10	G			1.2	13	ALBANIA. ML 2.5 (TTG).
	04	06	24	48.7•	3.941	N	125.942	E	33	N	5.1		1.2	22	TALAUD ISLANDS
	04	07	47	04.0?	15.03	N	93.07	E	33	N	4.3		0.3	6	BAY OF BENGAL
	04	08	13	09.4	30.198	S	68.974	W	10	G			1.1	10	SAN JUAN PROVINCE, ARGENTINA
	04	09	54	01.3	11.881	S	117.183	E	33	N	5.1		1.2	17	SOUTH OF SUMBAWA ISLAND
	04	10	48	11.9	42.261	N	144.585	E	34		5.0	5.0	1.1	86	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Kushiro; (I JMA) at Nemuro and Urakawa.
	04	10	55	56.5	40.420	N	27.686	E	10	G			0.9	15	TURKEY
	04	11	12	57.3•	11.002	S	34.484	E	10	G	4.6		1.4	9	MALAWI
	04	12	31	06.4	37.521	N	118.415	W	5	G			0.5	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS).
	04	12	35	46.1	39.364	N	27.402	E	10	G			0.8	7	TURKEY
	04	13	28	32.5•	51.600	N	159.433	E	33	N	4.9		0.9	46	OFF EAST COAST OF KAMCHATKA
o	04	13	54	07.1	2.370	S	138.893	E	48	•	5.1	5.2	1.1	58	WEST IRIAN
	04	16	31	46.5•	9.970	S	28.492	E	10	G			0.9	6	ZAIRE REPUBLIC. MG 3.4 (BUL).
	04	17	58	13.1?	43.05	N	1.09	W	10	G			0.3	6	PYRENEES
	04	18	05	42.5	45.707	N	2.928	E	10	G			1.0	13	FRANCE. ML 2.7 (LDG).
	04	18	07	46.0?	29.05	S	177.96	W	33	N	4.9		1.2	9	KERMADEC ISLANDS
	04	19	32	35.1&	60.486	N	151.967	W	84					31	KENAI PENINSULA, ALASKA. <AGS-P>.
o	04	22	34	37.8	46.331	N	153.182	E	33	N	5.5	5.1	0.8	236	KURIL ISLANDS
	04	23	09	26.3•	44.162	N	12.578	E	10	G			1.1	11	NORTHERN ITALY. ML 3.1 (LDG), 2.7 (KBA).
	04	23	18	45.4%	37.120	N	5.306	W	10	G			0.3	5	SPAIN. MG 3.0 (MDD).
	04	23	42	36.1	44.065	N	11.557	E	10	G			0.6	9	NORTHERN ITALY. ML 3.1 (KBA).
	05	00	17	33.0?	51.22	N	176.21	W	33	N			0.7	9	ANDREANOF ISLANDS, ALEUTIAN IS.
	05	01	00	41.7	37.476	N	118.306	W	5	G			0.7	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS).
	05	02	32	07.8	37.446	N	118.288	W	5	G			0.8	20	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK).
	05	02	35	23.4%	16.360	N	61.813	W	10	G			0.5	5	LEEWARD ISLANDS. ML 1.5 (FDF).
	05	02	35	56.0	37.493	N	118.300	W	5	G			0.4	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS).
	05	04	38	33.0?	42.39	N	19.89	E	10	G			0.3	4	YUGOSLAVIA. ML 1.9 (TTG).
	05	04	58	31.3?	24.31	S	177.16	W	33	N	4.5		1.5	8	SOUTH OF FIJI ISLANDS
	05	04	58	32.4•	53.374	N	164.371	W	33	N	4.5		1.0	8	UNIMAK ISLAND REGION. ML 4.3 (PMR).
	05	05	20	31.4?	76.36	N	148.51	E	10	G	4.7		1.2	18	NEW SIBERIAN ISLANDS
	05	06	11	56.1	42.352	N	19.968	E	10	G			1.3	6	YUGOSLAVIA. ML 1.9 (TTG).
	05	07	56	05.8•	39.017	N	27.832	E	10	G			1.3	6	TURKEY
	05	08	01	35.6&	59.781	N	153.319	W	112					36	SOUTHERN ALASKA. <AGS-P>.
	05	08	35	20.4•	32.880	N	117.610	W	10	G			1.5	8	CALIFORNIA-MEXICO BORDER REGION. MD 3.0 (ECX).
	05	08	48	13.2•	52.929	N	166.713	W	33	N	4.6		1.0	9	FOX ISLANDS, ALEUTIAN ISLANDS
	05	09	12	02.6	42.348	N	20.028	E	10	G			0.4	10	YUGOSLAVIA. ML 2.4 (TTG).
	05	09	14	11.7	5.435	N	75.385	W	120		3.8		1.2	15	COLOMBIA. Felt at Chinchina and Manizales.
	05	10	58	51.5	37.397	N	20.395	E	10	G	4.6		1.4	42	IONIAN SEA. ML 4.3 (ATH), 4.0 (TTG).
o	05	11	15	31.4	24.197	S	177.168	W	33	N	5.3	5.0	1.0	55	SOUTH OF FIJI ISLANDS
	05	11	18	22.7	20.087	S	69.435	W	101		4.8		1.0	41	NORTHERN CHILE

	05	12	33	13.8•	4.196	S	152.499	E	65 •	4.5		1.3	6	NEW BRITAIN REGION
	05	13	12	43.8&	60.323	N	152.450	W	99				34	SOUTHERN ALASKA. <AGS-P>.
	05	13	47	42.3	5.896	S	146.643	E	115 •	4.1		1.3	15	EAST PAPUA NEW GUINEA REGION
	05	13	50	35.0	37.537	N	118.410	W	10 G			0.3	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS).
	05	14	00	49.9•	1.693	S	67.729	E	10 G	4.7		0.9	11	CARLSBERG RIDGE
	05	14	21	18.5•	1.628	S	67.711	E	10 G	4.8		1.1	18	CARLSBERG RIDGE
	05	14	48	41.1	54.852	S	1.681	W	10 G	5.1		1.0	21	BOUVET ISLAND REGION
	05	15	46	12.0	18.798	S	179.227	W	603	4.8		1.2	100	FIJI ISLANDS REGION
	05	15	58	18.7•	1.788	S	67.788	E	10 G	5.0		1.1	24	CARLSBERG RIDGE
	05	16	02	56.3?	36.27	S	70.41	W	33 N			1.1	7	CHILE-ARGENTINA BORDER REGION
	05	16	12	29.7	1.250	S	150.389	E	30	4.9		0.8	23	NEW IRELAND REGION
	05	17	32	25.3•	5.742	S	141.988	E	33 N	3.0		1.4	6	PAPUA NEW GUINEA
	05	17	40	02.2	16.894	N	93.588	W	139	5.0		1.0	81	CHIAPAS, MEXICO
	05	17	47	54.0	1.427	S	67.676	E	10 G	5.0		0.9	29	CARLSBERG RIDGE
	05	18	20	50.5	7.101	S	129.232	E	120	5.3		1.1	98	BANDA SEA
	05	18	52	36.0	6.963	S	152.891	E	42	5.1		1.0	26	NEW BRITAIN REGION
•	05	19	17	11.0	24.969	S	177.398	W	33 N	5.1	5.0	1.1	22	SOUTH OF FIJI ISLANDS
	05	19	58	40.5	37.197	N	37.257	E	10 G	4.6		1.1	69	TURKEY
	05	20	28	41.3•	42.178	N	145.142	E	33 N	4.2		1.2	5	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Kushiro.
	05	20	30	50.7•	0.922	N	100.887	E	66 ?	4.6		1.5	7	NORTHERN SUMATERA
•	05	20	50	25.0	53.827	N	153.300	E	512 D	4.7		0.7	108	SEA OF OKHOTSK
	05	22	10	33.7?	16.51	S	69.68	W	191 ?	4.7		0.5	7	PERU-BOLIVIA BORDER REGION
	05	23	27	44.3&	61.783	N	151.988	W	116				28	SOUTHERN ALASKA. <AGS-P>.
	06	00	11	12.5	34.388	S	70.545	W	10 G			0.2	7	CHILE-ARGENTINA BORDER REGION
	06	00	14	33.6•	32.753	S	178.934	W	33 N	5.4		1.4	22	SOUTH OF KERMADEC ISLANDS
	06	01	37	49.0&	60.676	N	147.091	W	15				35	SOUTHERN ALASKA. <AGS-P>.
	06	01	49	12.4•	8.881	S	119.882	E	211 •	4.5		1.4	14	FLORES ISLAND REGION
	06	00	29	31.5	42.329	N	19.989	E	10 G			0.4	7	YUGOSLAVIA. ML 2.1 (TTG).
	06	00	25	33.0&	60.112	N	153.467	W	150				23	SOUTHERN ALASKA. <AGS-P>.
	06	00	00	30.3	37.570	N	118.422	W	10 G			0.7	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS).
•	06	00	54	52.6	23.763	S	179.930	E	545 D	5.1		1.1	102	SOUTH OF FIJI ISLANDS
	06	11	19	36.0&	46.370	N	75.220	W	18 G				14	SOUTHERN QUEBEC. <OTT-P>. mbLg 3.5 (OTT). Felt at Manwaki and Mont Laurier.
	06	12	18	31.4%	42.774	N	19.157	E	10 G			0.5	6	YUGOSLAVIA. ML 2.3 (TTG).
	06	12	26	17.3•	39.283	N	27.830	E	10 G			0.4	5	TURKEY
	06	12	41	17.2&	61.976	N	148.188	W	38				34	SOUTHERN ALASKA. <AGS-P>.
	06	13	03	01.9	0.185	S	125.746	E	70 •	4.6		1.4	34	MOLUCCA SEA
	06	13	34	09.3?	51.28	N	179.30	E	33 N	4.6		1.1	12	RAT ISLANDS, ALEUTIAN ISLANDS
•	06	13	56	05.7?	55.29	S	120.98	W	10 G	4.8	5.5	1.5	15	SOUTH PACIFIC CORDILLERA
	06	14	00	57.0	47.089	N	146.349	E	384 •	4.2		0.7	21	NORTHWEST OF KURIL ISLANDS
	06	14	44	34.1	36.333	N	120.941	W	10 G			0.5	10	CENTRAL CALIFORNIA. ML 2.7 (BRK).
	06	15	57	00.9?	2.15	S	143.30	E	134 ?	3.7		1.4	7	PAPUA NEW GUINEA REGION
	06	17	01	26.1?	31.69	S	69.04	W	10 G			1.2	8	SAN JUAN PROVINCE, ARGENTINA
	06	18	07	19.4&	61.469	N	152.072	W	105				28	SOUTHERN ALASKA. <AGS-P>.
	06	18	35	56.9•	6.995	S	155.202	E	33 N	3.8		1.1	5	SOLOMON ISLANDS
	06	19	06	55.8•	44.243	N	28.415	W	10 G	4.5		1.2	20	NORTH ATLANTIC RIDGE
	06	19	32	47.1•	28.375	S	68.599	W	126 ?	4.4		1.2	11	LA RIOJA PROVINCE, ARGENTINA
•	06	19	55	15.6	29.344	N	100.915	E	34	5.5	5.0	1.0	106	SICHUAN PROVINCE, CHINA
	06	21	58	49.8	42.322	N	20.036	E	10 G			1.1	7	YUGOSLAVIA. ML 2.1 (TTG).
	06	22	06	55.4	50.071	N	17.166	E	11			1.1	11	POLAND. ML 3.7 (VKA), 3.4 (KBA).
	06	23	11	43.8&	61.755	N	151.978	W	110				29	SOUTHERN ALASKA. <AGS-P>.
	07	00	30	09.2%	33.862	S	71.373	W	33 N			0.3	9	NEAR COAST OF CENTRAL CHILE
	07	00	54	19.1•	4.972	N	127.435	E	137 ?	4.5		1.3	15	TALAUD ISLANDS
	07	01	08	26.9•	6.031	S	130.152	E	92 ?	4.3		1.5	10	BANDA SEA
	07	01	27	33.0•	14.479	N	93.091	W	33 N	4.5	3.4	1.2	28	NEAR COAST OF CHIAPAS, MEXICO
•	07	02	51	28.9	18.010	S	178.483	W	595	5.0		0.9	139	FIJI ISLANDS REGION
	07	03	11	51.1?	34.88	S	71.82	W	33 N			0.8	9	NEAR COAST OF CENTRAL CHILE
	07	03	32	21.8	36.649	N	121.309	W	10 G			0.5	11	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	07	04	20	02.4%	45.455	N	27.045	E	10 G			1.2	8	ROMANIA
	07	05	27	42.2	31.883	S	67.341	W	10			1.1	17	SAN JUAN PROVINCE, ARGENTINA
	07	05	51	40.6	37.610	N	118.432	W	10 G			1.0	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS).
	07	06	15	07.4•	49.378	N	128.726	W	10 G	4.1		0.8	13	VANCOUVER ISLAND REGION
	07	06	49	06.5•	30.580	S	178.009	W	33 N	5.3		1.0	18	KERMADEC ISLANDS
	07	09	07	44.0&	61.287	N	151.718	W	85				30	SOUTHERN ALASKA. <AGS-P>.
	07	09	50	30.2%	45.648	N	27.191	E	10 G			1.2	8	ROMANIA
	07	10	18	49.5%	45.470	N	27.014	E	10 G			1.1	6	ROMANIA
	07	10	32	02.0%	40.664	N	29.653	E	10 G			0.2	7	TURKEY
	07	10	53	29.9•	16.899	N	62.184	W	133 •	4.6		1.2	17	LEEWARD ISLANDS. Felt (II) on Guadeloupe.
	07	11	00	57.0•	12.698	S	77.823	W	10 G			1.4	5	NEAR COAST OF PERU. Felt (II) at Lima.
	07	12	05	35.0%	33.483	S	71.999	W	10 G			0.5	9	NEAR COAST OF CENTRAL CHILE
•	07	12	10	19.0	11.789	N	95.297	E	33 N	5.2		1.1	76	ANDAMAN ISLANDS REGION
	07	12	19	17.0%	33.445	S	71.987	W	10 G			0.3	9	NEAR COAST OF CENTRAL CHILE
	07	16	04	09.5•	44.613	N	4.579	E	10 G			1.4	9	FRANCE. ML 2.8 (LDG).
	07	16	19	37.0?	15.85	N	94.79	W	33 N	4.4		1.2	7	NEAR COAST OF OAXACA, MEXICO
	07	17	20	02.0?	34.14	S	72.59	W	10 G			0.5	7	NEAR COAST OF CENTRAL CHILE
	07	17	45	24.5	44.587	N	3.669	E	10 G			0.8	15	FRANCE. ML 2.9 (LDG).
	07	18	19	09.8	34.615	N	88.298	E	33 N	4.8		1.0	41	TIBET
	07	18	20	35.6	34.662	N	88.254	E	33 N	4.8		0.7	20	TIBET
	07	18	30	13.6	39.362	N	27.445	E	10 G			0.9	7	TURKEY
•	07	22	32	58.4	7.433	N	81.241	W	8	5.4	5.4	1.4	155	PANAMA. Felt (V) in the Gulf of Parita area and (IV) at David. Felt at Panama City.
	07	22	54	07.4	7.259	N	81.345	W	10 G	4.9		1.2	35	PANAMA
	07	23	12	10.3	51.839	N	178.268	W	92 D	4.5		0.8	30	ANDREANOF ISLANDS, ALEUTIAN IS.
	08	00	18	39.0•	11.791	S	117.275	E	33 N	4.6		1.4	17	SOUTH OF SUMBAWA ISLAND
	08	00	46	28.0%	43.140	N	18.049	E	10 G			0.8	5	YUGOSLAVIA. ML 2.3 (TTG).
	08	01	19	41.0&	60.179	N	151.473	W	71				26	KENAI PENINSULA, ALASKA. <AGS-P>.
	08	01	46	15.5	30.325	S	70.551	W	33 N			0.8	14	CHILE-ARGENTINA BORDER REGION
	08	01	51	16.1	40.099	N	29.863	E	10 G			0.9	9	TURKEY
	08	02	49	19.6	45.840	N	6.388	E	10 G			1.1	18	FRANCE. ML 2.8 (LDG).
	08	03	07	10.3?	39.76	N	30.55	E	10 G			1.6	7	TURKEY
	08	03	08	56.0	14.964	S	167.281	E	156	5.0		1.1	67	VANUATU ISLANDS
	08	03	46	41.9	36.746	N	25.782	E	56 •	4.1		1.5	27	DODECANESE ISLANDS
	08	04	13	19.9•	36.850	N	28.127	E	10 G			1.0	6	DODECANESE ISLANDS. ML 3.7 (ATH).

	08	04	31	21.3	53.804	N	167.320	W	33	N	4.5	4.3	1.1	46	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR). Felt on Unalaska.
	08	05	40	35.3&	59.936	N	153.369	W	114					22	SOUTHERN ALASKA. <AGS-P>.
	08	05	48	28.9	21.774	S	68.488	W	33	N			0.8	7	CHILE-BOLIVIA BORDER REGION
	08	06	15	37.2•	27.330	S	68.632	W	179	?			1.0	12	CHILE-ARGENTINA BORDER REGION
	08	06	41	38.8%	46.556	N	1.153	E	10	G			1.2	13	FRANCE. ML 2.6 (LDG).
	08	08	31	24.9	27.291	N	57.833	E	33	N	5.0		1.1	73	SOUTHERN IRAN
	08	13	48	15.9	36.294	N	139.999	E	91		4.5		0.8	21	HONSHU, JAPAN. Felt (III JMA) at Utsunomiya; (II JMA) at Mito; (I JMA) at Kumagaya, Onahama and on Oshima.
	08	13	41	22.7?	56.45	N	153.31	W	33	N	4.3		0.7	8	KODIAK ISLAND REGION. ML 3.6 (PMR).
	08	14	04	16.9	42.346	N	19.961	E	10	G			0.3	10	YUGOSLAVIA. ML 2.2 (TTG).
	08	14	06	00.1•	39.596	N	119.741	W	5	G			0.3	5	NEVADA. ML 2.7 (NEIS). Felt in the Reno-Sparks area.
	08	14	30	38.3	37.653	N	118.363	W	5	G			0.9	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (NEIS).
o	08	16	18	58.1•	7.850	N	59.548	E	10	G	4.9	4.8	1.1	39	CARLSBERG RIDGE
	08	16	59	19.2•	6.365	S	147.223	E	33	N	3.1		1.5	6	EAST PAPUA NEW GUINEA REGION
	08	17	06	38.1	60.827	N	7.888	E	10	G			0.9	9	SOUTHERN NORWAY. MD 2.8 (BER). Felt.
	08	17	31	34.6&	40.823	N	123.608	W	5	G				11	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK). Double event about 4 seconds apart. Felt at Eureka.
	08	18	51	43.8	37.954	N	37.699	E	10	G	4.6		1.1	80	TURKEY
	08	19	24	35.4	7.449	S	128.355	E	181		5.2		1.0	66	BANDA SEA
	08	19	47	44.4?	51.78	N	16.65	E	10	G			0.6	7	POLAND. ML 2.8 (KBA).
	08	19	51	36.2?	43.32	N	0.75	W	5	G			1.2	8	PYRENEES. ML 2.8 (LDG).
	08	20	10	49.2	45.696	N	27.216	E	10	G			1.2	8	ROMANIA
	08	20	15	34.9•	18.868	S	169.158	E	217		4.5		1.2	31	VANUATU ISLANDS
	08	21	12	11.5•	19.987	N	121.376	E	33	N	3.9		1.1	11	PHILIPPINE ISLANDS REGION. Felt (I RF) at Pasuquin.
	08	21	26	09.8?	4.66	S	143.79	E	194	?	3.8		0.4	6	PAPUA NEW GUINEA
	08	21	43	09.5?	58.32	N	173.54	W	33	N	4.7		0.8	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	08	23	57	30.8	22.252	S	170.070	E	35	•	5.0		1.3	39	LOYALTY ISLANDS REGION
	09	00	25	53.9	7.288	N	81.340	W	10	G	4.5	4.2	1.2	29	PANAMA
	09	00	52	30.0&	32.600	N	117.250	W	6	G				13	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS). Felt (III) at Spring Valley and (II) at San Diego. Also felt at Point Loma, Imperial Beach and Pacific Beach.
o	09	00	53	12.6	14.999	N	120.335	E	80		5.5		0.9	294	LUZON, PHILIPPINE ISLANDS. Felt (III) at Puerto Galera, Mindoro. Also felt in the Manila area.
	09	01	31	09.9	0.589	N	121.195	E	188	?	4.6		1.0	18	MINAHASSA PENINSULA
	09	02	49	06.2	6.387	S	130.429	E	164	•	4.6		1.3	20	BANDA SEA
	09	03	22	51.2•	6.532	S	130.256	E	163	?	4.1		1.6	6	BANDA SEA
	09	04	28	37.1&	60.716	N	151.672	W	70					36	KENAI PENINSULA, ALASKA. <AGS-P>.
	09	04	46	02.0•	20.889	S	176.258	W	33	N	4.7		1.2	15	SOUTH OF FIJI ISLANDS
	09	04	51	16.4	43.342	N	3.718	E	12				0.6	15	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG).
	09	06	37	24.0	26.748	N	54.989	E	33	N	5.1	4.4	1.0	154	SOUTHERN IRAN
	09	08	12	43.0	23.590	S	69.539	W	118	•			0.7	13	NORTHERN CHILE
	09	09	20	12.9•	31.448	S	68.925	W	104	•			0.9	8	SAN JUAN PROVINCE, ARGENTINA
	09	09	40	48.0•	31.211	S	72.534	W	33	N	4.6		0.9	18	OFF COAST OF CENTRAL CHILE
	09	11	14	27.4	39.087	N	27.619	E	10	G			0.2	6	TURKEY
	09	11	26	14.1•	39.211	N	27.864	E	10	G			0.4	5	TURKEY
	09	12	13	07.5?	13.80	N	92.33	W	33	N	3.8		0.7	9	OFF COAST OF CHIAPAS, MEXICO
	09	13	20	44.9	37.594	N	118.328	W	10	G			0.4	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS).
	09	14	26	25.2?	53.51	N	161.63	W	33	N	4.7		1.6	10	SOUTH OF ALASKA
	09	15	11	36.5•	32.712	S	71.293	W	33	N			0.6	10	NEAR COAST OF CENTRAL CHILE
	09	15	13	53.1?	32.78	S	71.35	W	27	•			1.3	10	NEAR COAST OF CENTRAL CHILE
	09	15	42	59.7•	28.393	N	140.720	E	24	•	5.0		1.4	27	BONIN ISLANDS REGION
	09	16	57	38.7•	51.331	N	174.738	W	33	N	4.3		0.7	7	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR).
	09	17	47	14.6	63.400	N	147.315	W	92	?			0.4	9	CENTRAL ALASKA
	09	20	03	00.5•	9.568	S	123.338	E	33	N	4.6		1.4	18	TIMOR
	09	20	21	44.1•	7.458	S	154.689	E	33	N	4.9		1.3	14	SOLOMON ISLANDS
	09	22	47	10.1•	32.989	S	71.290	W	33	N			0.4	10	NEAR COAST OF CENTRAL CHILE
	10	00	26	37.4•	9.163	S	113.268	E	105	?	3.8		0.5	6	SOUTH OF JAVA
	10	00	31	37.1	14.789	S	66.556	E	10	G	4.9		0.7	50	MID-INDIAN RISE
	10	01	47	19.1•	3.819	S	131.219	E	33	N	4.1		1.5	16	WEST IRIAN REGION
	10	02	27	38.5•	16.485	S	28.433	E	10	G			1.1	5	ZAMBIA. MG 3.3 (BUL).
	10	03	48	53.4•	31.797	S	68.287	W	124	•			0.9	13	SAN JUAN PROVINCE, ARGENTINA
f	10	04	49	49.7	1.985	N	128.271	E	194	G	6.1		1.1	335	HALMAHERA. Depth from broadband displacement seismograms.
	10	05	01	02.7?	60.00	N	5.38	E	10	G			0.2	4	SOUTHERN NORWAY. MD 1.7 (BER).
	10	05	39	48.2	36.854	N	77.230	E	33	N	4.9		0.8	16	KASHMIR-XINJIANG BORDER REGION
	10	05	42	00.2	7.563	S	154.883	E	33	N	5.2		0.9	70	SOLOMON ISLANDS
	10	06	24	22.0%	43.564	N	7.881	E	10	G			0.2	5	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
	10	08	25	03.0	28.702	S	67.419	W	149	•			0.7	10	LA RIOJA PROVINCE, ARGENTINA
	10	08	50	39.7	40.864	N	140.722	E	20		5.0		1.0	70	HONSHU, JAPAN. Felt (III JMA) at Aomori.
	10	11	08	12.6•	3.032	S	101.847	E	118	•	4.5		1.0	9	SOUTHERN SUMATERA
	10	11	15	08.9•	50.222	N	17.136	E	10	G			0.9	9	POLAND. ML 3.5 (VKA), 3.3 (KBA).
	10	11	58	40.3•	46.445	N	13.096	E	10	G			1.1	6	AUSTRIA. ML 2.6 (KBA), 2.8 (TRI).
	10	13	38	13.4	41.222	N	7.089	W	12				1.0	17	PORTUGAL. MG 3.8 (NDD). Felt (III) in the Torre de Moncorvo area.
	10	13	57	26.2	41.193	N	7.025	W	10	G			1.1	17	PORTUGAL. MG 3.4 (NDD). Felt (III) in the Torre de Moncorvo area.
	10	14	13	53.6	33.363	N	140.885	E	62	•	5.1		0.9	35	SOUTH OF HONSHU, JAPAN. Felt (II JMA) on Hachijo-jima.
	10	14	46	30.5?	29.16	S	71.52	W	33	N			1.2	5	NEAR COAST OF CENTRAL CHILE
	10	15	11	50.4	41.233	N	7.081	W	10	G			1.0	36	PORTUGAL. MG 4.3 (NDD). Felt (IV) in the Torre de Moncorvo area.
	10	15	31	41.7?	10.71	S	118.90	E	33	N	2.8		1.6	7	SOUTH OF SUMBAWA ISLAND
	10	17	20	53.1?	18.50	N	145.55	E	187	?	4.2		0.4	8	MARIANA ISLANDS
	10	17	47	55.7	38.537	N	43.436	E	43	•	4.7	3.8	1.0	79	TURKEY. Felt in the Van area.
	10	18	08	07.3•	50.463	N	19.001	E	0	G			1.5	7	POLAND. ML 3.1 (KBA). Probable explosion.
	10	19	07	56.3&	60.092	N	152.732	W	96					38	SOUTHERN ALASKA. <AGS-P>.
	10	19	20	00.5?	18.64	S	167.47	E	107	?	4.4		0.5	10	VANUATU ISLANDS
	10	20	42	29.6•	7.333	N	81.254	W	45	•	4.7		1.1	15	PANAMA
	10	21	13	19.3	3.589	S	131.217	E	33	N	4.6		1.5	28	WEST IRIAN REGION
	11	00	58	12.2	43.229	N	20.866	E	10	G			1.4	12	YUGOSLAVIA. ML 2.1 (TTG).
	11	01	25	22.8	36.198	N	26.804	E	126		4.2		0.9	58	DODECANESE ISLANDS
	11	02	29	23.0?	27.55	N	101.17	E	33	N	4.5		1.9	7	SICHUAN PROVINCE, CHINA
	11	02	44	48.0%	40.168	N	28.850	E	10	G			0.6	7	TURKEY

	11	02	58	37.1	18.389	S	168.156	E	23	D	4.7		1.4	62	VANUATU ISLANDS
	11	03	56	10.0•	4.537	S	153.242	E	33	N	4.6		1.1	11	NEW IRELAND REGION
	11	04	14	37.3?	4.15	S	131.05	E	33	N	3.3		0.7	6	BANDA SEA
	11	04	59	10.2•	26.922	S	26.568	E	5	G	4.9		1.4	13	REPUBLIC OF SOUTH AFRICA
	11	05	02	34.4•	18.431	S	69.383	W	128	•			0.8	8	NORTHERN CHILE
	11	05	14	43.9?	48.17	N	114.64	W	5	G			0.3	5	MONTANA. ML 3.1 (BUT).
	11	06	31	12.3•	14.959	N	147.172	E	33	N			0.5	9	MARIANA ISLANDS REGION
•	11	06	58	05.0	14.745	S	66.477	E	10	G	5.2	5.0	0.8	78	MID-INDIAN RISE
•	11	06	05	56.8	22.265	N	121.647	E	124	D	5.5		1.0	249	TAIWAN REGION
	11	09	35	48.4?	20.10	N	121.46	E	33	N	-5.0		0.9	61	PHILIPPINE ISLANDS REGION
•	11	10	37	59.1	20.101	N	121.312	E	33	N	5.4	5.0	1.3	186	PHILIPPINE ISLANDS REGION
	11	10	42	52.5	31.215	S	68.685	W	119	•			1.0	16	SAN JUAN PROVINCE, ARGENTINA
	11	11	05	14.4•	21.859	S	68.648	W	148	•			1.4	11	CHILE-BOLIVIA BORDER REGION
	11	11	24	48.2•	37.476	N	20.167	E	10	G	4.2		1.1	8	IONIAN SEA. ML 4.0 (ATH).
	11	12	01	51.2?	20.21	S	68.94	W	33	N			1.3	5	CHILE-BOLIVIA BORDER REGION
	11	12	18	58.1%	42.687	N	19.689	E	10	G			0.1	5	YUGOSLAVIA. ML 1.8 (TTG).
	11	13	34	54.0&	60.399	N	153.354	W	148					26	SOUTHERN ALASKA. <AGS-P>.
	11	13	51	29.0•	41.836	N	19.389	E	10	G			1.0	5	ALBANIA. ML 2.0 (TTG).
	11	17	09	57.1	2.006	N	127.192	E	123		5.5		1.2	68	MOLUCCA PASSAGE
	11	18	09	57.9•	9.167	S	120.157	E	80	?	4.8		1.7	20	SUMBA ISLAND REGION
	11	19	34	47.3&	62.048	N	151.398	W	81					23	CENTRAL ALASKA. <AGS-P>.
•	11	19	43	13.1	8.075	S	17.852	W	10	G	5.0	4.6	0.8	83	NORTH OF ASCENSION ISLAND
	11	19	58	42.8	27.481	N	101.301	E	43	•	4.8	4.5	1.3	38	SICHUAN PROVINCE, CHINA
	11	20	13	40.1?	19.45	S	177.51	W	447	?	4.7		0.5	10	FIJI ISLANDS REGION
	11	20	23	18.6%	38.993	N	27.441	E	10	G			1.1	6	TURKEY
	11	21	48	00.4•	38.355	N	53.144	E	33	N	4.3		1.0	7	IRAN
•	11	22	06	43.2	30.923	S	67.685	W	5	G	5.4	4.0	1.2	114	SAN JUAN PROVINCE, ARGENTINA. Felt (IV) in San Juan Province.
	11	22	49	18.8?	41.16	N	15.41	E	218	•	3.9		1.2	18	SOUTHERN ITALY
	11	23	22	37.6&	60.575	N	150.617	W	43					33	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	23	34	06.5•	4.697	S	101.984	E	53	•	4.7		1.0	29	SOUTHERN SUMATERA
	11	23	50	45.4	11.154	S	74.334	W	33	N	4.4		0.9	15	PERU
	12	00	56	51.6	37.224	N	141.891	E	40	•	4.6		1.0	25	NEAR EAST COAST OF HONSHU, JAPAN. Felt (1 JMA) at Fukushima and Sendai.
•	12	00	59	28.9?	23.987	S	177.199	W	33	N	5.1	5.1	1.5	29	SOUTH OF FIJI ISLANDS
	12	01	38	09.4•	32.225	S	69.439	W	118	•	4.3		0.7	13	MENDOZA PROVINCE, ARGENTINA
	12	03	17	07.9•	20.932	S	68.279	W	148	?			0.3	7	CHILE-BOLIVIA BORDER REGION
•	12	04	07	16.7	5.967	N	82.591	W	10	G	5.4	5.1	1.2	122	SOUTH OF PANAMA. Ms 5.1 (BRK). Felt in Panama.
	12	04	08	05.4?	11.42	S	166.00	E	70	?	4.5		1.7	14	SANTA CRUZ ISLANDS
	12	04	08	43.3&	61.811	N	151.688	W	83					19	SOUTHERN ALASKA. <AGS-P>.
•	12	05	09	07.7	0.111	N	100.237	E	47	•	5.2	5.3	1.2	125	NORTHERN SUMATERA. Felt in southern Singapore.
	12	07	00	28.9	36.001	N	117.741	W	5	G			1.0	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (NEIS).
	12	08	18	42.9	7.403	N	81.395	W	10	G	4.4	3.6	1.4	28	PANAMA. Felt.
	12	08	34	19.0	30.673	S	71.392	W	33	N			0.9	13	NEAR COAST OF CENTRAL CHILE
	12	08	47	31.8•	59.313	N	6.962	E	10	G			1.2	7	SOUTHERN NORWAY. MD 2.2 (BER).
	12	09	29	48.0&	37.487	N	118.377	W	8					23	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).
	12	10	34	10.3	7.736	N	81.481	W	10	G	4.5	3.8	1.2	20	PANAMA. Felt.
	12	10	45	51.7	27.684	N	101.268	E	10	G	5.0	4.6	1.3	90	SICHUAN PROVINCE, CHINA
	12	11	46	29.5	63.124	N	150.616	W	33	N			0.6	7	CENTRAL ALASKA. ML 3.4 (PMR).
	12	12	16	06.1•	39.181	N	27.593	E	10	G			0.5	5	TURKEY
	12	12	39	48.7	62.185	N	124.414	W	10	G	4.6		1.2	38	NORTHWEST TERRITORIES, CANADA
	12	15	10	03.6	44.573	N	9.575	E	31				0.9	19	NORTHERN ITALY. ML 3.2 (LDG), 2.8 (KBA).
	12	15	37	27.9&	37.583	N	118.477	W	4	G				27	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).
	12	16	09	37.3	2.582	N	127.457	E	33	N	5.3		1.1	28	MOLUCCA PASSAGE
	12	16	54	54.8•	39.002	N	27.930	E	10	G			1.1	6	TURKEY
	12	17	51	38.3	39.782	N	27.720	E	10	G			1.5	11	TURKEY
	12	18	35	57.4%	60.717	N	5.614	E	10	G			0.8	5	SOUTHERN NORWAY. MD 1.9 (BER).
	12	19	42	22.7	38.877	N	27.597	E	10	G			1.3	7	TURKEY
	12	19	47	17.5&	61.882	N	151.911	W	65					25	SOUTHERN ALASKA. <AGS-P>.
	12	20	04	16.7	38.838	N	27.531	E	10	G			0.4	7	TURKEY
	12	21	06	02.9	32.532	S	69.766	W	121	?			0.8	15	MENDOZA PROVINCE, ARGENTINA
	12	21	38	56.0%	39.074	N	27.653	E	10	G			1.4	6	TURKEY
	12	23	01	46.7?	8.88	N	85.43	W	33	N	4.7		1.5	9	OFF COAST OF COSTA RICA. Felt in the Naranjo-Grecia-Alajuela area.
	12	23	46	33.7	5.810	N	82.639	W	10	G	4.3	3.9	1.2	18	SOUTH OF PANAMA
	13	00	29	01.3?	27.33	N	101.10	E	33	N	4.1		1.4	7	SICHUAN PROVINCE, CHINA
	13	02	17	21.8	34.981	N	26.853	E	62	•	4.0		1.3	32	CRETE
	13	02	31	58.9•	27.245	N	101.228	E	33	N	4.6		1.3	18	SICHUAN PROVINCE, CHINA
	13	02	42	55.6	38.814	N	106.996	W	5	G			0.5	12	COLORADO. ML 2.6 (NEIS). Felt at Crested Butte.
•	13	04	11	41.0	5.842	N	82.413	W	10	G	5.4	5.2	1.3	189	SOUTH OF PANAMA
	13	04	12	16.7?	35.87	S	178.01	E	186	•	5.1		1.1	8	OFF E. COAST OF N. ISLAND, N.Z.
	13	04	37	46.1	52.954	N	159.875	E	33	N	5.4	5.3	0.9	160	OFF EAST COAST OF KAMCHATKA
	13	04	55	18.4&	45.131	N	74.246	W	24					10	SOUTHERN ONTARIO. <PAL-P>. CL 3.4 (PAL), mbLg 3.3 (OTT). Felt (IV) at Huntingdon Coteau Station and Valleyfield. Also felt (IV) at Cornwall, Ontario. Felt at Hogansburg, Potsdam, Malone, Massena, Moira, Trout River and Westville, New York.
	13	05	06	38.9&	45.129	N	74.233	W	18					4	SOUTHERN ONTARIO. <PAL-P>. CL 2.4 (PAL).
	13	05	29	03.5•	23.758	S	66.269	W	33	N			1.5	8	JUJUY PROVINCE, ARGENTINA
	13	07	01	08.9?	18.77	N	108.84	W	10	G	3.8		1.4	11	REVILLA GIGEDO ISLANDS REGION
	13	08	18	10.9•	30.567	S	67.083	W	33	N			1.3	11	SAN JUAN PROVINCE, ARGENTINA
	13	08	38	21.4?	5.83	S	147.10	E	173	?	4.5		1.2	8	EAST PAPUA NEW GUINEA REGION
	13	09	08	47.7	39.246	N	27.697	E	10	G			1.0	7	TURKEY
	13	10	29	24.7&	45.127	N	74.244	W	23					3	SOUTHERN ONTARIO. <PAL-P>. CL 2.3 (PAL).
	13	11	16	55.5	37.754	N	20.488	E	38	•	4.6		1.0	51	IONIAN SEA. ML 4.5 (TTG), 3.9 (ATH).
	13	12	08	31.4•	38.858	N	107.035	W	5	G			0.6	10	COLORADO. ML 2.1 (NEIS).
	13	12	13	43.9	38.879	N	107.039	W	5	G			0.4	13	COLORADO. ML 2.4 (NEIS). Felt at Crested Butte and at Meridian Park about 4.5 miles north of Crested Butte.
	13	13	44	31.8&	59.575	N	152.971	W	89					17	SOUTHERN ALASKA. <AGS-P>.
•	13	15	27	21.8	7.691	N	74.713	W	60		5.0		1.2	178	NORTHERN COLOMBIA. Felt in the Armenia-Manizales-Pereira area.
	13	16	32	48.7•	27.885	S	71.912	W	33	N			1.3	7	NEAR COAST OF NORTHERN CHILE
	13	18	25	36.3•	4.349	S	142.292	E	121	•	4.9		1.1	28	PAPUA NEW GUINEA

	13	19 02 03.6	34.388 N	26.621 E	19 •	4.2		1.3	28	CRETE
	13	19 13 09.0	39.076 N	28.056 E	10 G			0.6	7	TURKEY
	13	21 09 57.3&	62.466 N	149.662 W	64				25	CENTRAL ALASKA. <AGS-P>.
	13	21 45 11.8	39.347 N	27.372 E	10 G			0.8	7	TURKEY
	13	23 29 38.2?	45.56 N	15.84 E	10 G			0.4	5	YUGOSLAVIA. MG 2.0 (ZAG).
	13	23 32 50.7•	16.194 N	98.224 W	33 N			0.5	6	NEAR COAST OF GUERRERO, MEXICO
	14	00 50 40.7&	40.352 N	124.353 W	19				18	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK). Felt (III) at Rio Dell. Also felt at Scotia.
	14	01 53 35.8•	23.603 S	177.204 W	33 N	4.7		0.8	21	SOUTH OF FIJI ISLANDS
	14	01 54 28.2&	59.559 N	153.258 W	97				25	SOUTHERN ALASKA. <AGS-P>.
	14	02 13 23.7?	53.91 N	164.49 W	33 N	4.6		1.6	11	UNIMAK ISLAND REGION
	14	02 43 28.8•	6.116 S	148.645 E	72 •	4.8		1.4	8	NEW BRITAIN REGION
	14	03 02 35.5•	31.053 S	67.716 W	33 N			1.4	9	SAN JUAN PROVINCE, ARGENTINA
	14	04 13 28.1&	59.502 N	149.771 W	43				40	KENAI PENINSULA, ALASKA. <AGS-P>.
	14	04 31 22.8&	37.502 N	118.483 W	7				22	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.3 (BRK).
	14	04 41 50.9?	20.48 S	177.88 W	559 ?	4.5		0.5	8	FIJI ISLANDS REGION
	14	05 45 13.1•	6.728 S	128.664 E	229 •	4.3		1.3	16	BANDA SEA
	14	05 58 16.1•	6.695 S	106.853 E	138 ?	4.9		1.1	18	JAVA
	14	06 25 37.6•	13.161 N	145.046 E	49	4.6		0.5	13	MARIANA ISLANDS. Felt (III) on Guam.
	14	07 08 11.5	42.463 N	143.040 E	101	4.7		0.9	48	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Urakawa.
	14	09 20 24.1?	24.56 S	177.71 W	33 N	4.8		0.4	6	SOUTH OF FIJI ISLANDS
	14	09 54 38.3	38.831 N	27.482 E	10 G			1.1	8	TURKEY
	14	10 12 38.5	43.607 N	0.359 W	10 G			1.1	12	PYRENEES. ML 2.5 (LDG).
	14	10 33 55.4?	34.27 S	72.28 W	33 N			0.3	10	NEAR COAST OF CENTRAL CHILE
	14	11 31 36.6?	15.97 N	60.65 W	33 N			0.5	6	LEEWARD ISLANDS. ML 3.1 (FDF).
	14	12 46 33.8?	38.83 N	27.52 E	10 G			0.7	4	TURKEY
	14	12 50 51.6•	30.036 S	177.243 W	33 N	5.2 4.7		1.3	36	KERMADEC ISLANDS
	14	13 03 02.0•	38.895 N	27.463 E	10 G			0.6	5	TURKEY
	14	13 42 35.4%	38.846 N	27.435 E	10 G			1.2	5	TURKEY
	14	14 08 47.2	37.865 N	28.804 E	10 G			0.8	6	TURKEY
	14	14 15 47.1	36.601 N	121.223 W	5 G			0.7	11	CENTRAL CALIFORNIA. ML 2.6 (BRK).
	14	14 28 52.1	51.676 N	175.180 W	33 N	4.8		0.9	27	ANDREANOF ISLANDS, ALEUTIAN IS.
	14	14 39 57.9?	59.43 N	6.62 E	10 G			1.4	5	SOUTHERN NORWAY. MD 2.3 (BER).
	14	15 08 45.2•	2.979 S	138.558 E	33 N	4.2		1.1	7	WEST IRIAN
	14	15 26 53.5	38.817 N	27.552 E	10 G			0.7	6	TURKEY
	14	16 00 08.8•	29.700 N	61.315 E	33 N	4.3		1.3	10	PAKISTAN
	14	16 11 26.2•	40.270 N	51.673 E	33 N	4.5		0.8	14	CASPIAN SEA
	14	17 39 25.9	38.908 N	107.082 W	5 G			0.4	13	COLORADO. ML 2.6 (NEIS). Felt at Crested Butte.
f	14	19 39 13.6	1.795 N	126.519 E	33 N	6.6 7.2		1.4	441	MOLUCCA PASSAGE. Ms 7.4 (BRK). Felt (IV) at Manado, Sulawesi and (II RF) at Cagayan de Oro, Mindanao.
	14	19 41 45.8%	14.977 N	60.410 W	33 N			0.4	7	WINDWARD ISLANDS. ML 2.5 (FDF).
	14	20 11 54.4	2.084 N	126.804 E	33 N	5.4		1.2	68	MOLUCCA PASSAGE
	14	20 15 29.3&	60.103 N	151.528 W	61				23	KENAI PENINSULA, ALASKA. <AGS-P>.
	14	20 29 26.4•	2.240 N	126.952 E	33 N	5.0		0.8	19	MOLUCCA PASSAGE
	14	20 48 08.4•	32.277 S	178.520 W	33 N	5.7		1.5	56	SOUTH OF KERMADEC ISLANDS
	14	21 02 56.1•	2.026 N	126.883 E	33 N	4.8		1.3	15	MOLUCCA PASSAGE
	14	21 05 20.8?	1.88 N	126.89 E	33 N	5.0		1.3	11	MOLUCCA PASSAGE
	14	21 08 02.2	1.881 N	126.586 E	33 N	4.9		1.2	32	MOLUCCA PASSAGE
	14	21 16 14.2	1.883 N	126.606 E	33 N	5.1		1.2	71	MOLUCCA PASSAGE
	14	21 54 02.9•	11.123 N	126.065 E	33 N	4.7		1.1	23	PHILIPPINE ISLANDS REGION
	14	22 10 55.0	21.724 S	70.850 W	50 •	4.6		1.3	22	NEAR COAST OF NORTHERN CHILE
	14	22 41 04.3•	1.883 N	126.750 E	33 N	5.0		1.2	28	MOLUCCA PASSAGE
	14	22 46 31.4	24.054 S	67.007 W	199 •	4.5		1.1	12	CHILE-ARGENTINA BORDER REGION
	14	22 55 07.2	2.127 N	126.993 E	33 N	5.6 5.9		1.1	171	MOLUCCA PASSAGE
	14	23 19 54.7	2.166 N	126.966 E	33 N	4.9		1.0	36	MOLUCCA PASSAGE
	14	23 25 34.7?	31.43 S	178.42 W	33 N	4.8		1.4	13	KERMADEC ISLANDS REGION
	14	23 53 24.0•	1.857 N	126.918 E	33 N	4.7		0.9	14	MOLUCCA PASSAGE
	15	00 31 38.1•	33.259 S	177.680 W	33 N	4.8		1.4	23	SOUTH OF KERMADEC ISLANDS
o	15	00 41 20.4	8.689 S	124.212 E	108 D	5.8		1.4	174	TIMOR
	15	01 17 11.0•	2.326 N	127.081 E	33 N	4.8		1.5	14	MOLUCCA PASSAGE
	15	01 20 52.5•	2.134 N	127.350 E	33 N	4.9		0.9	10	MOLUCCA PASSAGE
	15	02 10 17.9•	2.213 N	126.836 E	33 N	4.8		0.8	9	MOLUCCA PASSAGE
	15	06 09 43.4?	55.40 N	164.51 E	33 N	4.3		1.4	7	KOMANDORSKY ISLANDS REGION
	15	06 35 08.3	2.198 N	126.948 E	33 N	5.0 4.4		1.2	32	MOLUCCA PASSAGE
	15	07 13 13.4•	2.113 N	126.827 E	33 N	4.9		1.2	26	MOLUCCA PASSAGE
	15	07 34 35.1•	2.031 N	126.667 E	33 N	4.6		0.8	5	MOLUCCA PASSAGE
o	15	07 40 44.7	1.929 N	126.482 E	33 N	5.6 5.8		1.3	222	MOLUCCA PASSAGE
	15	08 45 18.4&	36.240 N	120.850 W	3				15	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	15	10 43 40.9•	2.093 N	126.873 E	33 N	4.6		1.5	12	MOLUCCA PASSAGE
	15	10 49 41.9•	23.926 S	177.266 W	55 •	5.0		1.1	31	SOUTH OF FIJI ISLANDS
	15	11 02 26.6•	1.796 N	126.380 E	33 N	4.9		1.1	28	MOLUCCA PASSAGE
	15	11 48 14.3%	15.973 N	61.949 W	33 N			0.4	6	LEEWARD ISLANDS. ML 2.2 (FDF).
	15	12 11 36.1	47.703 N	6.314 E	10 G			1.1	13	FRANCE. ML 2.5 (LDG).
	15	12 14 11.2•	1.737 N	126.330 E	33 N	4.9		1.4	14	MOLUCCA PASSAGE
	15	13 09 46.0	32.940 N	117.813 W	10 G			0.9	9	CALIFORNIA-MEXICO BORDER REGION. ML 3.4 (NEIS).
	15	13 33 30.0?	34.08 S	72.19 W	33 N			0.7	8	NEAR COAST OF CENTRAL CHILE
	15	13 34 57.9?	4.21 N	124.61 E	346 ?	4.2		0.3	8	CELEBES SEA
	15	14 40 07.3•	19.196 S	177.641 W	595 •	4.5		1.2	24	FIJI ISLANDS REGION
	15	14 53 45.9&	61.455 N	140.522 W	3				24	SOUTHERN YUKON TERRITORY, CANADA. <AGS-P>.
	15	15 31 23.3?	1.99 N	127.11 E	33 N	4.3		0.8	5	HALMAHERA
	15	16 20 17.5	1.982 N	126.605 E	33 N	5.1 4.8		1.5	67	MOLUCCA PASSAGE
	15	16 35 16.9•	24.005 S	177.262 W	72 •	5.1		1.0	26	SOUTH OF FIJI ISLANDS
	15	17 53 14.0•	48.240 N	126.464 E	33 N	4.3		1.4	12	NORTHEASTERN CHINA
	15	18 45 14.5	32.867 N	117.874 W	10 G			0.7	12	CALIFORNIA-MEXICO BORDER REGION. ML 3.8 (NEIS).
	15	19 09 16.4?	1.67 N	126.83 E	33 N	4.8		1.2	8	MOLUCCA PASSAGE
	15	19 49 03.3?	37.64 N	26.43 E	10 G			1.4	4	DODECANESE ISLANDS
o	15	20 20 37.3	48.638 N	126.621 E	33 N	5.0 5.1		0.8	127	NORTHEASTERN CHINA
	15	20 48 22.6	38.780 N	27.589 E	10 G			1.3	9	TURKEY
	15	21 13 27.7•	31.768 S	70.328 W	122 ?			1.1	13	CHILE-ARGENTINA BORDER REGION
	15	21 23 51.5	43.215 N	26.043 E	10 G			1.5	8	BULGARIA
	15	23 31 28.5	23.447 S	69.165 W	114 •	4.5		1.4	18	NORTHERN CHILE
	15	23 34 58.3	23.263 S	179.083 E	553	5.0		1.1	131	SOUTH OF FIJI ISLANDS
	16	00 11 44.5	39.940 N	77.604 E	33 N	4.8		1.3	54	SOUTHERN XINJIANG, CHINA

	16	00 45 36.2+	17.634 S	27.613 E	5 G			1.5	6	ZIMBABWE. MG 3.8 (BUL).
	16	02 04 39.8?	1.94 N	127.87 E	33 N	4.7		0.9	7	HALMAHERA
	16	03 27 38.4?	14.31 N	92.99 W	33 N	3.8		1.0	10	NEAR COAST OF CHIAPAS, MEXICO
	16	04 16 32.3	39.511 N	26.144 E	10			1.0	10	TURKEY
	16	04 40 38.9	43.097 N	18.092 E	10 G			0.8	8	YUGOSLAVIA. ML 2.4 (TTG).
	16	06 08 11.2+	1.986 N	126.846 E	33 N	4.6		0.8	16	MOLUCCA PASSAGE
	16	06 41 28.2	45.894 N	26.335 E	157	4.7		1.1	126	ROMANIA. Felt (V) in the Vrancea area and (IV) at Bucharest. Also felt (V) in southern Moldavia and (IV) at Kishinev, USSR.
	16	09 48 56.1	37.488 N	118.311 W	5 G			0.8	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS).
	16	09 51 45.7+	62.333 N	124.442 W	10 G			1.6	6	NORTHWEST TERRITORIES, CANADA
	16	13 02 29.6?	33.38 S	72.10 W	33 N			0.6	9	OFF COAST OF CENTRAL CHILE
	16	14 21 46.0?	33.56 S	72.04 W	33 N			0.3	8	OFF COAST OF CENTRAL CHILE
	16	14 40 17.8	1.945 N	126.575 E	33 N	5.1		1.0	55	MOLUCCA PASSAGE
	16	14 51 26.8	19.488 S	64.005 W	61 •	4.9		1.5	33	SOUTHERN BOLIVIA
	16	16 33 02.8+	36.949 N	137.837 E	225	4.3		0.5	12	HONSHU, JAPAN
	16	17 00 11.5+	37.670 N	30.515 E	10 G			0.9	5	TURKEY
a	16	17 19 23.0	1.884 N	126.522 E	33 N	5.8	5.9	1.4	234	MOLUCCA PASSAGE
	16	18 18 48.2	37.254 N	3.223 W	10 G			0.9	7	SPAIN. MG 2.9 (MDD).
	16	20 25 12.8	25.397 S	178.388 E	601	5.3		1.0	159	SOUTH OF FIJI ISLANDS
a	16	21 08 28.2	1.765 N	126.442 E	33 N	5.7	5.4	1.3	221	MOLUCCA PASSAGE
	16	22 36 49.8	22.689 N	94.196 E	75 •	4.5		1.2	32	BURMA
	16	22 39 21.7	1.914 N	126.658 E	33 N	5.0		1.0	37	MOLUCCA PASSAGE
	16	22 44 56.1+	22.555 N	94.085 E	95 •	4.5		1.1	15	BURMA
	16	23 25 44.9	8.492 S	121.684 E	123 •	5.2		1.4	66	FLORES ISLAND REGION
	16	23 59 10.3+	44.079 N	11.019 E	10 G			1.0	7	NORTHERN ITALY. MD 3.1 (TRI). ML 2.9 (LDG), 2.9 (KBA).
	17	00 31 58.8?	5.26 S	147.46 E	220 •	3.9		0.1	6	EAST PAPUA NEW GUINEA REGION
	17	03 45 03.1%	40.214 N	28.287 E	10 G			1.4	7	TURKEY
	17	04 05 34.5	36.535 N	26.933 E	153	4.1		0.8	45	DODECANESE ISLANDS
	17	04 33 14.8	2.082 N	126.949 E	33 N	5.0		1.0	21	MOLUCCA PASSAGE
	17	05 11 41.2	39.588 N	23.588 E	11			1.3	15	AEGEAN SEA. ML 3.2 (ATH).
	17	05 57 39.0+	40.879 N	140.100 E	189 •	4.7		0.6	11	HONSHU, JAPAN
	17	06 09 29.4	1.218 S	13.113 W	10 G	4.9	4.4	0.9	74	NORTH OF ASCENSION ISLAND
	17	08 48 28.3+	38.712 N	27.116 E	10 G			1.1	5	TURKEY
	17	08 54 02.3+	38.672 N	26.995 E	10 G			1.3	14	AEGEAN SEA
	17	08 56 12.3+	38.690 N	27.077 E	10 G			1.1	6	TURKEY
	17	09 06 20.3+	38.688 N	27.046 E	10 G			0.9	5	TURKEY
	17	09 21 40.3+	38.686 N	27.042 E	10 G			1.2	11	TURKEY
	17	09 34 31.1+	38.730 N	27.127 E	10 G			1.2	7	TURKEY
	17	09 38 10.1+	38.732 N	27.113 E	10 G			0.9	5	TURKEY
	17	09 40 05.9+	38.692 N	27.079 E	10 G			0.4	5	TURKEY
	17	10 02 37.1+	38.708 N	27.100 E	10 G			0.2	5	TURKEY
	17	10 03 18.2+	38.710 N	27.059 E	10 G			1.3	9	TURKEY
	17	10 23 28.1	38.698 N	27.030 E	10 G			0.8	12	TURKEY
	17	10 26 37.1	1.837 N	126.531 E	33 N	5.3	4.7	1.2	113	MOLUCCA PASSAGE
	17	10 54 35.2	34.005 N	139.590 E	129	4.8		1.0	86	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima.
	17	11 37 13.8	14.290 S	75.742 W	50	5.1		1.2	74	NEAR COAST OF PERU. Felt (IV) at Ica and (III) at Canete. Also felt at Pisco.
	17	11 49 53.6%	16.048 N	61.922 W	33 N			1.3	5	LEEWARD ISLANDS. ML 3.1 (FDF).
	17	11 56 17.5	45.711 N	26.534 E	129	4.3		1.1	33	ROMANIA
	17	12 45 57.7+	38.944 N	107.126 W	5 G			0.4	9	COLORADO. ML 1.8 (NEIS).
f	17	15 27 41.2	2.276 N	126.959 E	31 G	5.8	6.3	1.2	284	MOLUCCA PASSAGE. Depth from broadband displacement seismograms.
	17	15 31 19.8	2.161 N	127.113 E	33 N	6.0	6.3	1.2	68	MOLUCCA PASSAGE
	17	15 44 26.7	2.214 N	127.042 E	33 N	5.0		1.1	19	MOLUCCA PASSAGE
	17	15 52 09.9	2.219 N	126.980 E	33 N	5.5		1.4	155	MOLUCCA PASSAGE
	17	16 09 26.9	2.389 N	126.980 E	33 N	5.0		1.0	41	MOLUCCA PASSAGE
	17	16 11 56.6?	32.67 S	71.29 W	33 N			0.2	6	NEAR COAST OF CENTRAL CHILE
	17	16 14 51.3	2.224 N	126.934 E	33 N	5.1		1.0	39	MOLUCCA PASSAGE
	17	16 21 01.1	2.238 N	126.943 E	33 N	5.4		1.2	117	MOLUCCA PASSAGE
	17	16 27 42.9	5.042 S	144.549 E	81	4.7		1.0	28	PAPUA NEW GUINEA
	17	16 58 48.9	2.271 N	127.037 E	33 N	4.8		1.0	25	MOLUCCA PASSAGE
	17	17 48 14.5	23.958 S	177.179 W	33 N	5.1		1.1	29	SOUTH OF FIJI ISLANDS
	17	18 25 21.2	2.266 N	126.765 E	33 N	4.7		1.1	31	MOLUCCA PASSAGE
	17	18 34 28.6	2.328 N	126.894 E	33 N	5.2		1.0	73	MOLUCCA PASSAGE
	17	18 53 08.3+	2.329 N	126.902 E	33 N	4.9		0.9	16	MOLUCCA PASSAGE
	17	19 28 40.2	2.283 N	126.865 E	33 N	5.0		1.1	40	MOLUCCA PASSAGE
	17	20 36 32.4&	32.909 N	80.171 W	10				5	SOUTH CAROLINA. <GLD>. MD 1.7 (GLD).
	17	20 55 24.1+	13.882 N	61.446 W	33 N			0.6	7	WINDWARD ISLANDS. ML 4.3 (FDF).
	17	21 02 58.9&	60.685 N	153.083 W	163				36	SOUTHERN ALASKA. <AGS-P>.
	17	21 20 43.2+	14.382 N	123.923 E	44 •	4.5		1.3	27	LUZON, PHILIPPINE ISLANDS
	17	21 55 46.6+	18.870 S	69.575 W	135 ?			0.8	9	NORTHERN CHILE
	17	22 07 30.0%	40.665 N	29.957 E	10 G			1.2	7	TURKEY
	17	22 10 28.3	38.897 N	107.076 W	5 G			0.5	10	COLORADO. ML 2.4 (NEIS). Felt at Crested Butte.
	17	23 47 25.0+	23.927 N	103.083 E	33 N			0.9	6	YUNNAN PROVINCE, CHINA
	18	00 38 33.5	36.201 N	68.593 E	33 N	4.6		1.2	23	HINDU KUSH REGION
	18	01 11 23.7+	2.164 N	126.581 E	33 N	4.8		1.0	17	MOLUCCA PASSAGE
	18	01 15 15.0	38.914 N	107.087 W	5 G			0.5	11	COLORADO. ML 3.0 (NEIS). Felt (III) at Aspen and Carbondale. Also felt at Crested Butte and Snowmass Village.
	18	01 48 49.9	41.568 N	20.139 E	27			1.3	35	ALBANIA. ML 3.6 (TTG). Felt (IV) at Bulqiza, Peshkopi and Tirana.
f	18	01 59 54.5	20.492 S	174.287 W	20 G	5.9	5.9	1.1	270	TONGA ISLANDS. Ms 5.8 (BRK). Depth from broadband displacement seismograms.
	18	07 35 49.4	39.853 N	28.665 E	10			1.2	17	TURKEY. Felt at Demirci.
	18	07 50 47.7	39.110 N	28.626 E	10 G			1.4	11	TURKEY
	18	08 05 32.1	38.692 N	27.074 E	10 G			0.4	7	TURKEY
	18	08 07 52.9?	38.87 N	26.99 E	10 G			1.3	11	AEGEAN SEA
	18	08 10 28.5+	38.710 N	27.052 E	10 G			1.0	8	TURKEY
	18	08 11 26.6	38.718 N	27.014 E	10 G			1.2	16	TURKEY
	18	08 11 31.5	38.693 N	27.080 E	10 G	4.8		0.8	26	TURKEY. ML 3.6 (ATH). Felt at Demirci and Izmir.
	18	09 45 29.5	42.360 N	19.772 E	10 G			1.3	6	YUGOSLAVIA. MD 2.4 (TTG).

	18	09	49	15.7	35.865	N	44.399	E	33	N	4.9		1.1	15	IRAQ
	18	10	49	38.9&	37.537	N	118.492	W	11					24	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	18	14	05	45.5%	36.945	N	29.161	E	10	G			1.9	5	TURKEY
o	18	14	16	14.1	1.739	N	126.575	E	33	N	5.5	5.2	1.2	149	MOLUCCA PASSAGE
	18	14	36	08.1•	34.257	S	70.206	W	33	N			0.7	7	CHILE-ARGENTINA BORDER REGION
	18	15	01	00.7•	21.480	S	177.318	W	328	•	4.8		1.0	43	FIJI ISLANDS REGION
	18	16	16	13.5	38.900	N	107.069	W	5	G			0.5	14	COLORADO. ML 2.3 (NEIS).
	18	17	20	14.3%	33.063	N	27.099	E	10	G			0.9	5	TURKEY
	18	17	56	57.3•	14.503	N	146.676	E	64	•	5.1		1.0	26	MARIANA ISLANDS
	18	17	59	06.2•	38.864	N	21.419	E	10	G	4.0		1.4	9	GREECE. ML 3.2 (ATH).
	18	18	20	49.7•	6.808	N	72.969	W	161		4.6		1.0	10	NORTHERN COLOMBIA
	18	19	48	36.9•	24.075	S	177.433	W	33	N	4.9	4.9	1.5	19	SOUTH OF FIJI ISLANDS
	18	20	55	53.5	10.352	N	67.014	W	10		4.8		1.5	59	NEAR COAST OF VENEZUELA. Felt in the Caracas area.
	18	21	35	03.6	35.873	N	137.784	E	18				0.9	15	HONSHU, JAPAN. Felt (II JMA) at Nagoya and (I JMA) at Iida.
	18	22	20	16.7•	24.092	S	177.179	W	33	N	5.0		1.2	23	SOUTH OF FIJI ISLANDS
	18	22	27	36.3•	32.786	S	71.567	W	33	N			1.0	11	NEAR COAST OF CENTRAL CHILE
	18	23	16	05.4•	44.543	N	149.398	E	33	N	4.7		1.2	37	KURIL ISLANDS
	19	00	17	45.7•	15.981	S	69.446	W	265				1.3	14	PERU-BOLIVIA BORDER REGION
o	19	00	27	35.9	8.376	N	126.601	E	33	N	5.6	4.9	1.2	174	MINDANAO, PHILIPPINE ISLANDS
	19	02	24	29.2	26.493	N	128.800	E	33	N	4.9		1.2	58	RYUKYU ISLANDS
	19	02	34	07.3•	51.838	N	176.095	W	33	N	4.2		0.4	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	19	03	19	34.0&	62.131	N	150.821	W	65					21	CENTRAL ALASKA. <AGS-P>.
	19	04	05	44.3	43.185	N	26.007	E	29				0.9	33	BULGARIA. ML 3.8 (SKO). Felt (V) at Strazhitsa and (III) at Popovo and Asenovo.
	19	04	38	15.5•	28.095	N	140.645	E	33	N	4.8		1.4	14	BONIN ISLANDS REGION
	19	06	03	54.5	39.019	N	28.743	E	13		4.1		1.2	45	TURKEY. ML 4.3 (ATH). Minor damage at Demirci.
	19	06	12	45.9	39.052	N	28.727	E	10	G			1.2	11	TURKEY
	19	08	13	08.5	38.877	N	107.053	W	5	G			0.4	12	COLORADO. ML 2.1 (NEIS).
	19	09	37	01.4?	31.89	S	69.07	W	132	?			0.6	7	SAN JUAN PROVINCE, ARGENTINA
	19	10	22	09.6•	37.519	N	71.934	E	33	N	5.1		0.8	9	AFGHANISTAN-USSR BORDER REGION
	19	12	17	16.5?	42.50	N	24.09	E	10	G			1.9	6	BULGARIA
	19	12	41	35.6	5.627	S	145.698	E	33	N	4.4		1.5	15	EAST PAPUA NEW GUINEA REGION
	19	12	52	41.1	4.122	S	129.324	E	33	N	5.3		1.4	56	BANDA SEA
	19	12	54	16.6%	60.298	N	5.346	E	10	G			0.5	5	SOUTHERN NORWAY. MD 1.6 (BER).
	19	13	29	12.6	34.563	N	25.131	E	19	•	4.4		1.5	37	CRETE. ML 4.4 (ATH).
	19	13	35	58.1•	2.312	N	126.951	E	33	N	4.4		0.9	9	MOLUCCA PASSAGE
	19	16	23	56.6%	59.965	N	4.991	E	10	G			0.3	5	SOUTHERN NORWAY. MD 1.7 (BER).
	19	17	12	53.9?	4.54	S	130.74	E	33	N			0.8	7	BANDA SEA
	19	17	29	37.4	38.927	N	107.074	W	5	G			0.4	10	COLORADO. ML 1.6 (NEIS).
	19	17	55	55.8&	60.089	N	153.234	W	128					19	SOUTHERN ALASKA. <AGS-P>.
	19	20	38	47.2	37.477	N	118.272	W	10	G			0.6	15	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (NEIS).
	19	20	56	40.4?	51.67	N	16.27	E	10	G			0.2	6	POLAND
	19	21	06	14.6?	33.52	S	72.67	W	33	N			0.3	8	OFF COAST OF CENTRAL CHILE
	19	22	41	35.8	12.514	N	124.478	E	98	D	5.3		1.2	72	SAMAR, PHILIPPINE ISLANDS
	19	22	42	27.5	38.735	N	27.133	E	10	G			0.5	6	TURKEY
	19	22	45	46.6	6.029	S	154.236	E	57		5.4		1.2	59	SOLOMON ISLANDS
	19	23	02	21.9%	16.063	N	61.032	W	33	N			0.2	6	LEEWARD ISLANDS. ML 2.3 (FDF).
	19	23	31	27.0	38.904	N	107.054	W	5	G			0.4	13	COLORADO. ML 1.9 (NEIS).
	19	23	53	39.6&	37.482	N	118.372	W	6					18	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	20	00	23	47.3	38.869	N	25.765	E	10	G			1.2	13	AEGEAN SEA. ML 3.1 (ATH).
	20	00	30	59.6•	13.374	S	166.918	E	195	?	4.8		1.3	31	VANUATU ISLANDS
	20	00	37	04.0	44.503	N	10.712	E	12				1.4	19	NORTHERN ITALY. ML 3.3 (LDG).
	20	01	14	22.9	42.304	N	19.919	E	10	G			1.4	18	YUGOSLAVIA. ML 3.2 (TTG).
	20	01	33	11.5?	36.00	N	30.83	E	10	G			0.0	5	TURKEY
	20	02	37	03.8•	40.371	N	24.193	E	10	G			0.8	8	AEGEAN SEA
	20	03	18	52.0?	33.89	S	72.28	W	33	N			0.4	8	OFF COAST OF CENTRAL CHILE
	20	03	49	46.2	37.276	N	118.146	W	5	G			0.8	13	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (BRK).
	20	03	53	24.9•	42.355	N	19.976	E	10	G			0.7	5	YUGOSLAVIA. ML 2.3 (TTG).
	20	04	34	46.3•	17.258	N	63.561	W	21				0.6	9	LEEWARD ISLANDS. ML 3.8 (FDF).
	20	04	43	48.1	38.892	N	107.077	W	5	G			0.5	15	COLORADO. ML 2.3 (NEIS). Felt at Crested Butte.
	20	04	48	35.0•	53.736	N	163.163	W	33	N	4.6		1.2	17	UNIMAK ISLAND REGION
	20	05	14	03.9•	2.693	S	139.031	E	33	N	5.0		1.1	11	NEAR N. COAST OF WEST IRIAN
	20	05	25	17.0	39.646	N	77.632	E	33	N	4.8		1.3	31	SOUTHERN XINJIANG, CHINA
	20	07	02	16.8&	37.122	N	121.563	W	6					16	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Felt at Morgan Hill and Gilroy.
o	20	07	05	01.6	5.325	S	151.331	E	79	G	5.8		1.1	203	NEW BRITAIN REGION. Felt (III) at Arawa, Bougainville. Depth from broadband displacement seismograms.
	20	08	22	18.0	41.242	N	7.132	W	10	G			1.3	31	PORTUGAL. MG 3.9 (MDD). Felt (IV) at Torre de Moncorvo and (II) in the Douro area.
	20	08	39	21.7&	61.544	N	146.420	W	30					35	SOUTHERN ALASKA. <AGS-P>.
	20	08	42	11.8•	6.057	S	152.814	E	33	N	4.7		1.5	7	NEW BRITAIN REGION
	20	09	07	45.2?	45.59	N	26.48	E	157	?			0.6	7	ROMANIA
	20	09	50	21.0&	37.120	N	121.562	W	6	G				13	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Felt at Morgan Hill and Gilroy.
	20	09	57	05.0&	37.118	N	121.565	W	7					17	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt at Morgan Hill and Gilroy.
o	20	10	09	32.6	16.941	S	173.507	W	33	N	5.6	4.7	1.3	168	TONGA ISLANDS
	20	10	28	18.0?	6.30	S	128.06	E	33	N			0.5	6	BANDA SEA
	20	11	49	32.7?	26.10	S	27.33	E	5	G			1.5	9	REPUBLIC OF SOUTH AFRICA. MG 3.6 (BUL).
	20	12	12	22.9•	2.240	N	127.039	E	33	N	4.2		1.2	7	MOLUCCA PASSAGE
	20	14	43	49.0%	39.179	N	27.858	E	10	G			0.1	5	TURKEY
	20	16	37	46.6	5.844	S	150.234	E	74		5.0		1.1	33	NEW BRITAIN REGION
	20	17	18	39.8&	62.120	N	151.191	W	88					14	CENTRAL ALASKA. <AGS-P>.
	20	17	27	23.8	11.850	N	43.372	E	10	G			0.6	5	ETHIOPIA. MG 4.0 (ARO).
	20	17	31	24.9	49.814	N	1.175	E	10	G			0.6	15	FRANCE. ML 2.7 (LDG).
	20	17	31	33.7?	31.44	S	69.35	W	33	N			1.4	8	SAN JUAN PROVINCE, ARGENTINA
	20	18	08	43.9•	17.345	S	172.538	W	33	N	5.2	4.9	1.5	19	TONGA ISLANDS REGION
o	20	18	15	38.8	2.089	N	126.534	E	33	N	5.4	4.5	1.1	118	MOLUCCA PASSAGE
	20	18	54	12.4•	61.798	N	124.403	W	10	G	4.4		1.3	11	NORTHWEST TERRITORIES, CANADA
	20	18	55	11.1&	59.126	N	153.782	W	97					13	SOUTHERN ALASKA. <AGS-P>.
	20	20	21	32.9	38.892	N	107.068	W	5	G			0.4	12	COLORADO. ML 2.7 (NEIS). Felt at Crested Butte.
	20	21	15	46.4	1.973	S	87.088	E	10	G	5.3		0.9	154	SOUTH INDIAN OCEAN

e	20	21	23	54.8	34.572	N	91.633	E	33	N	5.4	6.5	1.2	191	QINGHAI PROVINCE, CHINA
	20	22	01	37.6	31.485	N	140.390	E	98	D	4.8		1.2	54	SOUTH OF HONSHU, JAPAN
	20	22	09	51.1•	29.563	S	71.672	W	33	N			1.5	18	NEAR COAST OF CENTRAL CHILE
	20	22	32	05.6	34.424	N	91.742	E	33	N	4.8		1.5	38	QINGHAI PROVINCE, CHINA
	20	22	47	29.4&	60.253	N	141.122	W	12					23	SOUTHEASTERN ALASKA. <AGS-P>.
	20	23	44	19.7?	65.90	N	155.43	W	33	N			0.2	6	ALASKA. ML 3.9 (PMR).
	21	01	04	29.2&	37.533	N	121.676	W	6					14	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	21	01	23	22.0	7.933	N	72.920	W	10	G	4.6		1.3	25	NORTHERN COLOMBIA
	21	01	34	17.3	36.472	N	71.083	E	235	D	5.4		0.9	267	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Dushanbe and Khorog and (II) at Andizhan, USSR. Felt at Peshawar, Pakistan.
	21	02	11	08.5%	45.554	N	26.503	E	140	G			0.7	7	ROMANIA
	21	02	56	36.8	24.244	S	66.936	W	190		4.6		1.2	33	SALTA PROVINCE, ARGENTINA
	21	03	00	36.0•	27.584	N	139.967	E	469	?	4.5		0.7	15	BONIN ISLANDS REGION
	21	04	08	38.2•	34.622	S	178.988	E	33	N	5.2		1.2	27	SOUTH OF KERMADEC ISLANDS
	21	04	18	31.4?	60.12	N	155.75	W	33	N			0.5	8	ALASKA. ML 4.0 (PMR).
	21	06	11	23.1•	41.956	N	141.994	E	80	?			1.4	6	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Urakawa.
	21	06	37	09.1	53.019	N	160.443	E	33	N	5.4	3.9	0.9	131	NEAR EAST COAST OF KAMCHATKA. Felt (IV) at Petropavlovsk-Kamchatskiy.
	21	07	25	56.3•	39.498	N	28.358	E	5	G			1.5	5	TURKEY
	21	08	09	45.3&	62.298	N	151.148	W	81					18	CENTRAL ALASKA. <AGS-P>.
	21	09	05	21.2?	59.37	N	6.69	E	5	G			1.1	6	SOUTHERN NORWAY. MD 2.1 (BER).
	21	09	24	01.2•	12.217	S	76.577	W	33	N			0.2	5	NEAR COAST OF PERU. Felt (II) at Comacho.
	21	09	24	25.5?	2.13	N	126.53	E	33	N			0.8	8	MOLUCCA PASSAGE
	21	09	26	37.5	39.091	N	27.079	E	10	G			0.4	6	TURKEY
	21	09	34	39.9?	5.98	S	35.55	W	10	G	4.2		1.2	10	BRAZIL. Felt at Joao Camara and Natal.
	21	09	58	15.4?	34.65	S	179.30	E	33	N	4.7		0.9	5	SOUTH OF KERMADEC ISLANDS
	21	10	00	47.1&	60.134	N	140.994	W	13					14	SOUTHEASTERN ALASKA. <AGS-P>.
	21	10	48	03.1?	4.77	S	130.65	E	33	N			1.3	6	BANDA SEA
	21	11	27	10.4	55.855	N	3.137	W	10				0.4	12	UNITED KINGDOM. ML 2.5 (ESK). Felt (IV) at Rosewell. Also felt at Lasswade and Roslin, Scotland.
	21	11	29	49.9?	3.45	S	139.66	E	33	N			1.6	5	WEST IRIAN
	21	11	48	08.0•	1.612	S	77.914	W	132	?	4.4		0.6	10	ECUADOR
	21	12	24	31.7•	51.689	N	175.745	W	33	N	4.3		0.4	11	ANDREANOF ISLANDS, ALEUTIAN IS.
	21	12	48	10.8	0.076	N	123.995	E	113	•	4.7		1.1	37	MINAHASSA PENINSULA
	21	13	13	52.6%	39.122	N	27.675	E	10	G			0.5	5	TURKEY
	21	13	46	35.8?	16.05	S	35.95	E	10	G			0.1	4	MALAWI. MG 3.4 (BUL). Felt (III) at Mulonje.
	21	13	48	37.7•	4.570	S	104.683	E	217	•	4.3		0.7	9	SOUTHERN SUMATERA
	21	14	09	31.9•	4.714	S	153.426	E	89	•	4.4		0.8	8	NEW IRELAND REGION
	21	14	11	31.6	38.983	N	107.063	W	5	G			0.5	12	COLORADO. ML 1.9 (NEIS). Felt at Crested Butte.
	21	14	41	24.2	4.787	S	151.869	E	131				0.8	16	NEW BRITAIN REGION
	21	16	42	43.2?	10.62	S	166.87	E	110	?	4.2		0.8	10	SANTA CRUZ ISLANDS
e	21	17	01	27.2•	9.071	S	109.551	W	10	G	5.0	5.3	1.3	34	NORTHERN EASTER I. CORDILLERA
	21	17	10	30.4•	9.031	S	109.677	W	10	G	4.9	4.9	1.0	30	NORTHERN EASTER I. CORDILLERA
	21	17	38	10.6	1.901	N	126.708	E	33	N	4.7		1.2	25	MOLUCCA PASSAGE
	21	17	51	00.0	40.717	N	25.785	E	10	G			1.1	15	AEGEAN SEA
	21	17	55	29.4	1.603	N	127.562	E	44	•	5.2		0.9	28	HALMAHERA
	21	18	33	42.8•	73.867	N	9.490	E	10	G	4.5		1.0	15	GREENLAND SEA
	21	18	34	02.0?	45.66	N	150.90	E	33	N	4.6		0.7	12	KURIL ISLANDS
	21	19	13	28.0?	51.27	N	16.14	E	10	G			0.9	6	POLAND. ML 3.0 (KBA), 3.0 (VKA).
	21	19	19	35.3&	60.488	N	151.158	W	51					26	KENAI PENINSULA, ALASKA. <AGS-P>.
	21	19	24	14.2•	23.036	S	69.010	W	159	•			1.3	9	NORTHERN CHILE
	21	19	40	08.0•	37.327	N	20.276	E	10	G	3.7		1.1	11	IONIAN SEA. ML 3.8 (ATH).
	21	19	51	38.4•	17.519	S	168.465	E	27	•	4.6		1.4	42	VANUATU ISLANDS
	21	21	34	22.6•	22.233	S	67.282	W	196	?			1.3	6	CHILE-BOLIVIA BORDER REGION
	21	23	48	56.0•	2.668	N	127.777	E	33	N	5.0		0.8	10	MOLUCCA PASSAGE
	22	01	10	55.0•	8.867	S	109.838	W	10	G	4.6	4.4	1.3	18	NORTHERN EASTER I. CORDILLERA
	22	01	40	18.8•	6.285	S	149.553	E	72	•	4.5		1.2	8	NEW BRITAIN REGION
	22	02	15	48.9•	23.984	S	65.878	W	271	•			0.6	7	JUJUY PROVINCE, ARGENTINA
	22	03	16	03.2?	17.12	N	61.38	W	33	N			0.5	5	LEEWARD ISLANDS. ML 2.7 (PAG).
	22	04	13	47.3•	1.138	N	100.153	E	216		4.9		1.2	19	NORTHERN SUMATERA
	22	05	15	50.8?	33.46	S	72.00	W	33	N			0.3	7	NEAR COAST OF CENTRAL CHILE
	22	05	40	36.7	6.152	S	130.189	E	149	•	4.9		0.7	18	BANDA SEA
	22	06	45	58.3	40.162	N	28.279	E	10	G			0.6	10	TURKEY
	22	06	54	55.5•	14.554	S	174.807	E	642	•	4.7		0.8	24	FIJI ISLANDS REGION
	22	09	01	22.9&	60.398	N	153.017	W	120					14	SOUTHERN ALASKA. <AGS-P>.
	22	09	47	53.6•	8.407	N	103.636	W	10	G	4.5	3.8	0.7	13	OFF COAST OF MEXICO
	22	09	54	25.8?	8.58	N	103.42	W	10	G	4.5	4.0	1.0	16	OFF COAST OF MEXICO
	22	11	10	28.6	38.897	N	107.072	W	5	G			0.4	13	COLORADO. ML 2.2 (NEIS).
	22	11	32	57.3?	60.70	N	4.59	E	10	G			0.5	4	SOUTHERN NORWAY. MD 1.4 (BER).
	22	11	35	57.1?	46.00	N	14.32	E	10	G			0.7	4	YUGOSLAVIA
	22	12	04	41.9•	7.212	N	126.965	E	33	N	4.6		1.0	19	MINDANAO, PHILIPPINE ISLANDS
	22	12	19	28.6•	1.481	N	126.663	E	33	N	4.5		1.1	18	MOLUCCA PASSAGE
	22	12	23	48.8?	30.78	S	71.87	W	33	N			0.6	5	NEAR COAST OF CENTRAL CHILE
	22	12	25	51.9	1.675	N	126.843	E	33	N	4.8		1.1	47	MOLUCCA PASSAGE
	22	12	36	33.5•	7.433	S	126.856	E	295	•			1.0	9	BANDA SEA
	22	13	26	33.3	37.420	N	110.574	W	5	G			0.8	22	UTAH. ML 4.0 (SLC), 3.8 (NEIS). Felt (V) in the Monument Valley area.
	22	13	27	42.9•	56.867	S	27.039	W	33	N	5.1		1.0	12	SOUTH SANDWICH ISLANDS REGION
	22	13	39	33.3	34.595	N	91.799	E	10	G	4.7		1.1	26	QINGHAI PROVINCE, CHINA
	22	14	31	52.6?	52.08	N	170.69	W	33	N	4.2		0.1	6	FOX ISLANDS, ALEUTIAN ISLANDS
	22	14	44	17.0	36.611	N	116.366	W	5	G			0.5	18	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (NEIS).
	22	16	50	39.1•	35.121	N	29.517	E	33	N			1.0	5	EASTERN MEDITERRANEAN SEA
	22	16	54	49.6	36.636	N	121.125	W	10	G			0.8	12	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	22	20	12	28.2	1.818	N	126.676	E	35	•	4.6		1.2	44	MOLUCCA PASSAGE
	22	20	32	10.4%	45.787	N	2.933	E	10	G			1.0	12	FRANCE. ML 2.5 (LDG).
	22	23	32	56.6	36.339	N	70.752	E	144	•	4.7		1.0	47	HINDU KUSH REGION. Felt (III) at Ishkashim, Khorog and Dushanbe, USSR.
	22	23	34	44.6•	7.869	N	94.256	E	83	•	4.4		1.1	9	NICOBAR ISLANDS REGION
	23	00	05	30.4%	34.037	S	71.350	W	33	N			0.2	8	NEAR COAST OF CENTRAL CHILE
	23	00	15	06.0•	34.480	N	92.030	E	33	N			1.6	6	QINGHAI PROVINCE, CHINA
	23	00	38	23.3	42.347	N	19.975	E	10	G			0.9	6	YUGOSLAVIA. MD 2.4 (TTG).
	23	02	54	18.4?	38.43	N	29.28	E	10	G			1.5	8	TURKEY

	23	02	54	24.9•	38.155	N	4.000	W	10	G			1.6	6	SPAIN. ML 3.1 (TOL).
	23	03	01	29.9	37.028	N	118.331	W	5	G			0.7	22	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK). Felt (III) at Bishop, California.
	23	03	52	16.4%	45.711	N	2.941	E	10	G			0.7	11	FRANCE. ML 2.8 (LDG).
	23	04	13	57.0?	38.27	N	139.86	E	104		4.0		1.1	8	HONSHU, JAPAN. Felt (II JMA) at Utsunomiya.
	23	04	49	51.9•	14.776	N	147.270	E	33	N	4.1		1.2	14	MARIANA ISLANDS REGION
	23	05	13	03.0	38.995	N	107.095	W	5	G			0.4	10	COLORADO. ML 2.4 (NEIS). Felt at Crested Butte.
	23	05	14	43.2?	4.15	N	77.14	W	112	?	4.2		1.0	14	NEAR WEST COAST OF COLOMBIA
	23	06	02	07.3•	30.817	S	117.049	E	10	G			0.1	5	WESTERN AUSTRALIA
	23	06	28	40.7?	51.02	N	15.07	E	10	G			0.9	5	POLAND
	23	11	25	57.9	22.041	S	170.670	E	33	N	4.6		1.4	36	LOYALTY ISLANDS REGION
	23	11	48	43.8±	60.661	N	152.924	W	99					44	SOUTHERN ALASKA. <AGS-P>.
	23	11	40	50.2?	0.88	N	126.33	E	33	N			1.0	6	MOLUCCA PASSAGE
	23	11	42	23.7•	49.724	S	43.208	E	10	G	4.8		0.9	14	ATLANTIC-INDIAN RISE
	23	11	55	12.0	53.547	N	165.855	W	33	N	4.8		1.1	72	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
	23	12	23	01.8•	1.105	N	126.533	E	33	N			0.4	7	MOLUCCA PASSAGE
	23	12	26	33.1%	38.585	N	4.137	W	0	G			0.6	5	SPAIN. Probable explosion.
	23	14	35	27.2	31.812	S	69.449	W	124		4.1		1.1	17	SAN JUAN PROVINCE, ARGENTINA
	23	14	43	24.5	42.366	N	19.946	E	10	G			0.5	9	YUGOSLAVIA. MD 2.7 (TTG).
	23	14	45	47.0•	49.829	S	43.168	E	10	G	4.9		1.1	25	ATLANTIC-INDIAN RISE
	23	15	17	27.3	44.469	N	10.663	E	10	G			1.2	36	NORTHERN ITALY. ML 3.9 (KBA), 3.7 (LDG). MD 3.5 (FIR), 3.5 (TRI).
	23	16	13	55.8•	6.815	S	154.931	E	41	•	4.8		0.9	14	SOLOMON ISLANDS
	23	16	29	33.0?	33.00	S	71.82	W	33	N			1.0	9	NEAR COAST OF CENTRAL CHILE
o	23	17	11	47.1	31.675	N	40.938	W	10	G	5.3	5.2	1.0	133	NORTH ATLANTIC RIDGE
	23	17	13	27.8•	36.618	N	25.386	E	33	N			0.4	5	DODECANESE ISLANDS. ML 3.7 (ATH).
	23	17	23	29.8	31.685	N	40.908	W	10	G	4.8	5.1	0.9	55	NORTH ATLANTIC RIDGE
	23	17	51	50.5•	22.614	S	170.591	E	33	N	4.4		1.5	19	LOYALTY ISLANDS REGION
	23	18	18	04.7•	34.702	S	72.303	W	33	N	4.4		1.3	20	NEAR COAST OF CENTRAL CHILE
	23	18	27	35.9	1.900	N	126.633	E	33	N	5.0		1.3	30	MOLUCCA PASSAGE
	23	19	53	49.9•	2.312	N	127.173	E	33	N	4.8		1.3	16	MOLUCCA PASSAGE
	23	20	06	29.7	5.794	S	35.410	W	10	G			0.8	8	BRAZIL
	23	20	22	11.1	40.894	N	23.920	E	10	G			1.3	15	GREECE
	23	21	49	14.6?	21.09	S	70.74	W	33	N			0.3	5	NEAR COAST OF NORTHERN CHILE
	23	22	29	50.3%	45.681	N	2.982	E	10	G			0.9	10	FRANCE. ML 2.5 (LDG).
o	23	23	47	48.8	34.549	S	179.288	E	32	D	6.1	6.5	1.2	115	SOUTH OF KERMADEC ISLANDS. Mw 6.3 (BRK).
	24	01	08	55.0	38.998	N	24.271	E	11				0.9	35	AEGEAN SEA. ML 3.9 (ATH).
	24	01	55	22.4?	40.81	N	49.66	E	33	N	4.5		1.2	6	EASTERN CAUCASUS
	24	02	09	43.4•	2.291	N	127.194	E	33	N	4.6		1.3	10	MOLUCCA PASSAGE
	24	02	35	00.2	36.371	N	138.383	E	25		4.8		1.4	59	HONSHU, JAPAN. Felt (III JMA) at Nagano and (II JMA) at Maebashi.
	24	03	59	17.5	38.967	N	107.141	W	5	G			0.3	11	COLORADO. ML 2.1 (NEIS). Felt at Crested Butte.
	24	04	00	35.1?	28.45	N	56.41	E	33	N			1.1	6	SOUTHERN IRAN
	24	04	42	53.0•	2.951	S	140.468	E	33	N			1.5	8	NEAR N. COAST OF WEST IRIAN. Felt (III) at Jayapura.
	24	04	54	32.1	21.645	S	126.709	E	10	G	3.8		1.3	12	WESTERN AUSTRALIA
	24	05	22	16.7?	22.30	S	170.36	E	33	N	4.1		1.5	5	LOYALTY ISLANDS REGION
	24	06	52	44.6•	2.143	N	126.839	E	33	N	5.0		0.9	17	MOLUCCA PASSAGE
	24	07	08	15.1?	23.64	S	179.98	E	524	?	4.5		0.9	5	SOUTH OF FIJI ISLANDS
	24	07	39	36.1	14.838	N	99.163	E	10	G			0.9	6	SOUTHEAST ASIA
	24	08	05	00.6?	40.73	N	30.36	E	10	G			1.3	9	TURKEY
	24	08	19	32.6?	37.86	S	146.53	E	10	G			0.5	9	NEAR S.E. COAST OF AUSTRALIA. ML 3.3 (BFD), 3.0 (TOO).
	24	08	42	42.3?	14.13	S	167.95	E	33	N	4.3		1.3	6	VANUATU ISLANDS
	24	09	04	06.1%	39.288	N	27.625	E	10	G			1.7	6	TURKEY
	24	09	17	31.3?	2.47	N	126.80	E	104	?	4.0		1.3	8	MOLUCCA PASSAGE
	24	09	20	39.8•	2.084	N	127.007	E	33	N	4.3		1.2	7	MOLUCCA PASSAGE
	24	09	37	23.4?	2.37	N	127.27	E	33	N	4.2		1.5	10	MOLUCCA PASSAGE
	24	09	53	28.6•	6.878	S	130.453	E	33	N			1.5	10	BANDA SEA
	24	10	13	33.9•	14.627	N	146.340	E	97	•	4.6		1.0	15	MARIANA ISLANDS
o	24	10	45	00.2	24.056	S	177.137	W	33	N	5.4	5.1	1.0	83	SOUTH OF FIJI ISLANDS
	24	10	49	43.0±	61.765	N	150.035	W	45					35	SOUTHERN ALASKA. <AGS-P>.
	24	10	54	21.0	36.088	N	32.133	E	100		4.3		0.9	45	TURKEY
	24	11	59	21.7•	8.267	S	123.599	E	172	•	3.9		0.2	6	MINAHASSA PENINSULA
o	24	13	03	35.7	27.271	S	176.418	W	33	N	5.3	4.9	1.1	69	KERMADEC ISLANDS REGION
	24	14	36	55.3±	61.611	N	146.416	W	30					30	SOUTHERN ALASKA. <AGS-P>.
	24	16	15	38.1	38.895	N	107.063	W	5	G			0.5	15	COLORADO. ML 2.4 (NEIS).
	24	17	29	27.1•	4.648	S	128.681	E	33	N	4.0		1.4	14	BANDA SEA
	24	17	29	42.3	37.584	N	118.438	W	5	G			0.4	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (NEIS).
	24	17	37	44.9	35.842	N	72.942	E	45	•	4.8	4.3	1.0	87	PAKISTAN
	24	17	54	02.8•	5.718	S	142.182	E	33	N	3.2		1.6	5	PAPUA NEW GUINEA
	24	18	04	24.5	45.798	N	111.568	W	10	G			0.4	16	MONTANA. ML 3.9 (NEIS). Felt (IV) at Manhattan and Willow Creek. Felt (III) at Three Forks.
	24	19	28	32.5•	8.645	S	112.456	E	124	•	3.6		0.8	7	JAVA
	24	19	31	11.8	11.204	N	142.232	E	94	•	5.0		1.2	38	SOUTH OF MARIANA ISLANDS
o	24	19	38	10.9	23.894	S	177.281	W	33	N	5.3	5.1	1.2	35	SOUTH OF FIJI ISLANDS
	24	21	35	56.1±	59.810	N	153.488	W	117					35	SOUTHERN ALASKA. <AGS-P>.
	24	21	37	10.2±	59.819	N	153.415	W	119					27	SOUTHERN ALASKA. <AGS-P>.
	24	21	39	08.3?	19.86	S	178.28	W	605	•	4.5		1.3	11	FIJI ISLANDS REGION
	24	22	05	32.0•	36.583	N	1.159	E	5	G			0.3	6	ALGERIA. MG 3.3 (ABA).
	24	22	55	49.9%	40.828	N	28.478	E	10	G			0.8	6	TURKEY
	24	23	03	22.7?	48.16	N	1.87	W	10	G			0.4	5	FRANCE. ML 2.4 (LDG).
o	24	23	46	51.2	2.100	N	126.873	E	35	•	5.3	5.1	1.3	97	MOLUCCA PASSAGE
	25	00	13	38.7	2.066	N	126.881	E	33	N	5.0		1.2	38	MOLUCCA PASSAGE
	25	00	19	08.9	1.984	N	126.705	E	33	N	4.7		0.9	26	MOLUCCA PASSAGE
	25	00	56	29.5•	34.688	N	91.497	E	33	N			1.3	9	QINGHAI PROVINCE, CHINA
	25	01	21	41.6•	36.815	N	44.828	E	10	G			0.9	6	IRAN-IRAQ BORDER REGION
	25	01	21	56.9•	36.980	N	44.916	E	10	G	4.6	4.0	1.2	22	IRAN-IRAQ BORDER REGION. Felt in the Orumiyeh-Oshnoviyeh area, Iran.
	25	02	38	55.8•	36.641	N	58.943	E	33	N			1.5	7	IRAN. Felt in the Neyshabur area.
	25	03	30	17.7?	36.27	N	13.39	W	10	G			0.8	18	NORTH ATLANTIC OCEAN
	25	03	59	19.6?	18.83	S	173.38	E	33	N	4.0		1.4	7	FIJI ISLANDS REGION
	25	04	08	06.6•	38.039	N	24.322	E	10	G			1.1	5	AEGEAN SEA. ML 3.2 (ATH).
	25	05	41	34.2%	40.768	N	29.129	E	10	G			1.2	7	TURKEY
	25	06	21	30.1±	62.711	N	148.768	W	75					43	CENTRAL ALASKA. <AGS-P>.

	25	06	35	13.8	23.914	S	177.189	W	33	N	5.0	4.9	0.8	17	SOUTH OF FIJI ISLANDS
	25	08	13	27.4	37.617	N	118.422	W	5	G			0.8	8	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS).
	25	08	20	58.8	37.642	N	118.394	W	5	G			0.6	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (NEIS).
	25	09	07	58.3*	4.284	S	142.838	E	66	?			0.9	6	PAPUA NEW GUINEA
	25	09	11	23.7&	39.163	N	27.652	E	10	G			0.3	5	TURKEY
	25	10	05	20.4&	[illegible]	N	9.848	E	10	G			0.6	9	NORTHERN ITALY. ML 2.7 (LDG).
	25	11	33	31.2	.838	S	175.188	W	79	*	4.9		0.8	37	TONGA ISLANDS
	25	11	47	51.2&	37.747	N	121.988	W	4					9	CENTRAL CALIFORNIA. <BRK>. ML 2.4 (BRK). Felt at Danville and San Ramon.
	25	14	17	53.6*	31.798	S	68.129	W	121	*	4.5		1.0	17	SAN JUAN PROVINCE, ARGENTINA. Felt (III) at San Juan.
	25	14	41	34.1?	38.73	S	71.84	W	33	N			1.5	9	NEAR COAST OF CENTRAL CHILE
e	25	15	40	31.8	16.316	S	173.958	W	33	N	4.9	5.0	1.8	68	TONGA ISLANDS
	25	16	28	45.4?	4.95	S	130.89	E	33	N	3.8		1.2	5	BANDA SEA
	25	17	06	36.9&	39.638	N	119.883	W	5	G				8	NEVADA. <REN-P>. ML 2.8 (NEIS). Felt (III) at Sparks. Also felt at Reno.
	25	17	25	04.1	10.195	N	67.874	W	10	G	4.9	4.3	1.1	38	NEAR COAST OF VENEZUELA. Felt at Caracas and Maracay.
	25	17	57	42.1&	39.638	N	119.883	W	5	G				7	NEVADA. <REN-P>. ML 2.5 (NEIS). Felt at Reno and Sparks.
	25	18	17	35.4	42.714	N	0.879	W	10	G			0.6	16	PYRENEES. ML 3.2 (LDG).
	25	19	28	09.6	28.277	N	140.577	E	26	*	5.1		1.2	38	BONIN ISLANDS REGION
	25	19	28	47.8*	53.852	N	159.898	E	33	N	4.6		1.3	13	NEAR EAST COAST OF KAMCHATKA
	25	19	42	16.5*	44.936	N	141.568	E	33	N	4.3		0.7	8	HOKKAIDO, JAPAN REGION
	25	19	15	24.9*	42.865	N	17.929	E	10	G			1.0	8	ADRIATIC SEA. MD 2.6 (TTG).
	25	20	49	34.1*	4.889	S	152.798	E	33	N			0.5	5	NEW BRITAIN REGION
	25	22	14	48.4?	55.97	N	160.79	E	33	N	4.6		1.0	6	KAMCHATKA
	25	22	54	51.1?	32.69	S	71.45	W	33	N			1.1	6	NEAR COAST OF CENTRAL CHILE
	25	23	27	54.3&	61.352	N	150.333	W	47		4.5			53	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Anchorage, Palmer and Willow. Felt (II) at Talkeetna.
	26	02	06	02.6	38.908	N	107.041	W	5	G			0.7	18	COLORADO. ML 3.1 (NEIS). Small precursor about 15 seconds prior to this event. Felt (III) about 9 miles south of Carbondale. Felt in the Aspen-Crested Butte-Redstone area.
	26	03	20	09.3	10.674	N	62.895	W	10	G	4.1		1.1	17	NEAR COAST OF VENEZUELA. Felt at Pilar and Rio Caribe.
	26	03	36	22.3*	10.122	N	67.040	W	10	G			1.2	7	NEAR COAST OF VENEZUELA
	26	04	02	28.3*	23.285	S	66.474	W	251	*	3.7		1.2	8	JUJUY PROVINCE, ARGENTINA
	26	06	42	22.2*	40.336	N	19.440	E	10	G			1.4	14	ALBANIA. MG 3.5 (TIR). Felt (IV) at Rexhepaj, Mertiraj, Gernec and Kocul.
	26	06	44	49.1	55.980	S	27.846	W	154	?	5.3		1.0	56	SOUTH SANDWICH ISLANDS REGION
	26	07	13	56.6*	24.872	N	123.365	E	117	?			1.4	11	SOUTHWESTERN RYUKYU ISLANDS
	26	07	39	55.9*	16.298	N	98.882	W	33	N	4.5		1.3	22	NEAR COAST OF GUERRERO, MEXICO
	26	07	53	33.2	5.998	S	131.863	E	123	*	4.8		0.6	10	BANDA SEA
	26	08	26	45.0*	30.782	S	69.288	W	33	N			0.6	7	CHILE-ARGENTINA BORDER REGION
f	26	09	43	00.3	37.724	N	101.496	E	8	G	6.2	5.9	1.1	346	QINGHAI PROVINCE, CHINA. Minor damage at Huzu and Wenyuan. Felt in the Guiang-Lanzhou-Zhangye area, Gonzu Province. Depth from broadband displacement seismograms.
	26	10	29	58.9	37.675	N	101.585	E	10	G	5.4		0.9	119	QINGHAI PROVINCE, CHINA
	26	12	24	44.1&	40.278	N	127.247	W	5	G				17	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.0 (BRK).
	26	13	11	25.7	37.693	N	101.718	E	23		5.0		1.1	41	QINGHAI PROVINCE, CHINA
	26	13	15	01.9	6.214	S	152.788	E	48	*	4.6		1.1	14	NEW BRITAIN REGION
	26	13	37	41.6	45.815	N	7.481	E	10	G			1.0	16	NORTHERN ITALY. ML 3.0 (LDG).
	26	14	29	59.3?	31.57	S	71.81	W	33	N			1.2	7	NEAR COAST OF CENTRAL CHILE
	26	16	03	25.0	36.093	N	77.921	E	33	N	4.9		1.1	47	KASHMIR-XINJIANG BORDER REGION
	26	16	41	24.2&	38.340	N	89.798	W	5	G				17	SOUTHERN ILLINOIS. <SLM-P>. mbLg 3.7 (NEIS). Felt (V) at Belleville, Lenzburg and Marissa. Felt (IV) at Alhambra, Baldwin, Coulterville, Hecker, Lebanon, Modoc, New Athens, New Memphis, Prairie du Rocher, Smithton, St. Jacob, Summerfield and Troy.
	26	17	16	49.9?	36.38	N	78.19	E	33	N	4.1		1.4	5	KASHMIR-XINJIANG BORDER REGION
	26	17	52	55.9%	60.718	N	5.571	E	10	G			0.3	6	SOUTHERN NORWAY. MD 1.8 (BER).
	26	18	10	49.8	36.564	N	70.976	E	233	*	4.8		1.0	38	HINDU KUSH REGION
	26	19	03	49.7*	2.286	N	126.988	E	33	N	4.6		1.0	11	MOLUCCA PASSAGE
	26	19	07	20.7	37.553	N	118.395	W	5	G			0.7	16	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (BRK).
	26	19	21	31.6%	60.027	N	4.851	E	10	G			0.2	6	SOUTHERN NORWAY. MD 1.7 (BER).
	26	19	36	15.7*	56.257	N	164.020	E	33	N	4.7		0.6	12	KOMANDORSKY ISLANDS REGION
e	26	21	52	26.6	15.192	S	173.481	W	21	D	5.6	5.8	1.2	134	TONGA ISLANDS
	26	21	58	02.6&	62.187	N	148.503	W	35					25	CENTRAL ALASKA. <AGS-P>.
	26	22	11	39.0*	15.103	S	173.467	W	33	N	5.2	5.7	1.3	61	TONGA ISLANDS
	26	23	03	45.7	31.682	S	71.104	W	53	D	5.4	5.7	1.0	79	NEAR COAST OF CENTRAL CHILE. Felt (III) along the coast and at Santiago.
	27	01	15	52.5?	2.24	N	126.82	E	33	N	4.2		1.3	11	MOLUCCA PASSAGE
	27	01	33	19.1	41.203	N	22.317	E	10	G			0.7	8	YUGOSLAVIA
	27	02	55	23.3	38.919	N	21.788	E	10	G	3.9		0.9	14	GREECE. ML 3.3 (ATH).
	27	03	54	40.4&	60.071	N	153.873	W	116					18	SOUTHERN ALASKA. <AGS-P>.
	27	05	24	48.2	42.325	N	20.087	E	10	G			0.9	11	YUGOSLAVIA. MD 2.9 (TTG).
	27	05	59	56.9*	15.010	N	146.898	E	33	N	4.5		0.7	12	MARIANA ISLANDS
	27	06	35	13.3	42.388	N	19.912	E	10	G			0.5	7	YUGOSLAVIA. ML 2.3 (TTG).
	27	07	44	22.7%	45.865	N	27.123	E	33	N			1.7	7	ROMANIA
	27	08	47	17.7*	32.059	S	71.556	W	33	N			1.0	9	NEAR COAST OF CENTRAL CHILE
	27	09	20	40.9&	37.598	N	118.457	W	13					21	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.3 (BRK).
	27	10	41	50.9	34.162	S	177.381	W	33	N	5.3		1.1	36	SOUTH OF KERMADEC ISLANDS
	27	11	16	41.7	36.118	N	139.705	E	70		4.3		0.9	15	HONSHU, JAPAN. Felt (III JMA) at Utsunomiya, (II JMA) at Mito and (I JMA) at Maebashi, Tokyo and Yokohama.
	27	11	45	47.5	14.924	N	146.931	E	33	N	5.1	4.8	1.0	73	MARIANA ISLANDS
	27	13	15	22.6	37.703	N	101.787	E	10	G	4.3		1.3	17	QINGHAI PROVINCE, CHINA
	27	13	35	27.8%	39.474	N	28.332	E	10	G			1.5	5	TURKEY
	27	14	12	10.4&	59.025	N	142.758	W	30	G	4.5			59	GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR).
	27	14	20	26.6*	53.681	N	160.111	E	33	N	5.0		0.7	18	NEAR EAST COAST OF KAMCHATKA
	27	15	41	53.5*	16.183	S	34.143	E	10	G	4.5		1.4	10	MOZAMBIQUE. Felt (III) at Chileka, Malawi.
	27	15	54	09.5?	60.29	N	5.44	E	10	G			0.2	4	SOUTHERN NORWAY. MD 1.6 (BER).
	27	16	15	05.0*	51.177	N	15.790	E	10	G			1.6	8	POLAND. ML 3.5 (VKA), 3.3 (KBA).
	27	17	28	40.9?	44.98	N	28.51	E	5	G			1.3	5	ROMANIA
	27	18	06	56.3	35.160	N	105.094	W	5	G			1.2	8	NEW MEXICO. ML 3.2 (NEIS), mbLg 3.0 (TUL). Felt at

														Anton Chico and Las Vegas.
27	18	36	24.9	6.215	S	105.145	E	76	•	5.2		1.0	40	SUNDA STRAIT
27	20	15	41.8?	9.58	S	16.07	W	10	G	4.6		0.2	5	NORTH OF ASCENSION ISLAND
27	20	41	31.8	2.350	S	138.374	E	33	N	5.2		1.2	55	WEST IRIAN
27	20	48	34.1?	38.73	N	22.17	E	10	G			1.5	5	GREECE
27	21	04	01.3?	17.79	S	177.55	W	289	?	4.3		1.0	14	FIJI ISLANDS REGION
27	21	08	34.0	12.937	S	166.299	E	33	N	5.1		0.8	21	SANTA CRUZ ISLANDS
27	21	35	52.2	38.884	N	107.057	W	5	G			0.4	12	COLORADO. ML 2.3 (NEIS).
27	21	36	29.3	24.312	S	67.238	W	192	•			1.1	13	CHILE-ARGENTINA BORDER REGION
27	22	23	37.5%	40.813	N	28.152	E	10	G			0.8	7	TURKEY
27	23	44	17.1	4.567	S	76.149	W	125	D	4.7		1.0	46	NORTHERN PERU
27	23	46	03.0•	34.503	S	70.611	W	119	?			0.1	9	CHILE-ARGENTINA BORDER REGION
27	23	51	50.4•	33.604	S	70.590	W	68	?			0.4	8	CHILE-ARGENTINA BORDER REGION
28	00	28	24.6%	39.448	N	28.858	E	10	G			0.5	5	TURKEY
28	01	09	53.6	34.664	N	91.710	E	33	N			0.6	8	QINGHAI PROVINCE, CHINA
28	02	57	29.8?	37.43	N	3.47	W	5	G			0.3	4	SPAIN. MG 2.8 (MDD).
28	03	21	09.2•	46.987	N	121.865	W	10	G			1.3	5	WASHINGTON. ML 2.4 (NEIS).
28	04	43	08.2?	19.35	N	109.43	W	10	G	4.1		0.7	16	REVILLA GIGEDO ISLANDS REGION
28	06	38	20.0•	38.488	N	25.812	E	10	G			0.8	6	AEGEAN SEA. ML 3.3 (ATH).
28	10	14	18.0&	32.585	N	117.310	W	5	G				11	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS). Felt (V) at San Diego and Solana Beach, California. Felt (III) at Spring Valley, California.
28	10	23	11.5•	29.315	N	129.697	E	33	N			1.7	5	RYUKYU ISLANDS
28	11	47	26.3	62.514	N	124.086	W	10	G	4.2		0.7	9	NORTHWEST TERRITORIES, CANADA
28	12	58	07.3•	37.697	N	101.744	E	10	G	4.5		1.2	11	QINGHAI PROVINCE, CHINA
28	13	11	43.6	34.563	N	91.882	E	33	N			1.1	12	QINGHAI PROVINCE, CHINA
28	14	39	32.6%	41.975	N	25.554	E	10	G			0.5	6	GREECE-BULGARIA BORDER REGION
28	15	33	56.8?	4.68	S	133.83	E	33	N			0.8	6	WEST IRIAN REGION
28	16	02	11.9?	5.44	S	152.64	E	33	N			1.3	5	NEW BRITAIN REGION
28	16	05	52.7%	39.520	N	28.373	E	5	G			1.8	5	TURKEY
28	16	19	54.3	51.330	N	157.565	E	76	D	5.0		0.7	60	NEAR EAST COAST OF KAMCHATKA
28	16	59	12.6?	18.51	S	66.33	W	131	?			1.2	5	BOLIVIA
28	17	06	27.2•	35.971	N	69.489	E	102	?	4.6		1.1	13	HINDU KUSH REGION
28	20	59	42.8•	44.177	N	18.006	E	10	G			1.5	10	YUGOSLAVIA
28	21	13	15.9•	32.420	S	69.958	W	144	?			0.6	10	MENDOZA PROVINCE, ARGENTINA
28	21	47	01.0•	37.863	N	101.858	E	10	G	4.2		1.2	7	QINGHAI PROVINCE, CHINA
28	22	21	48.4%	45.610	N	26.544	E	140	G			0.6	8	ROMANIA
28	23	41	39.5•	5.154	S	152.327	E	33	N			0.8	6	NEW BRITAIN REGION
28	23	55	09.3	40.634	N	29.787	E	10	G			1.3	9	TURKEY
29	00	20	52.8•	1.645	S	120.026	E	10	G	4.0		1.5	5	SULAWESI
29	02	14	35.7•	21.225	S	68.873	W	33	N			0.9	6	CHILE-BOLIVIA BORDER REGION
29	04	30	09.5	20.716	S	70.702	W	40	•	5.0	4.1	1.4	51	NEAR COAST OF NORTHERN CHILE
29	05	12	21.3•	36.499	N	70.942	E	91	?	4.1		0.7	9	HINDU KUSH REGION
29	05	13	56.3•	51.949	N	171.413	W	33	N	4.3		1.2	11	FOX ISLANDS, ALEUTIAN ISLANDS
29	05	19	36.6•	28.737	S	67.743	W	12	•			0.8	7	LA RIOJA PROVINCE, ARGENTINA
29	06	44	42.6&	35.877	N	120.493	W	5					22	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt (III) at Paso Robles and San Ardo. Also felt at Parkfield.
29	07	38	19.8•	60.735	N	4.115	E	10	G			1.5	9	SOUTHERN NORWAY. ML 2.9 (BER).
29	07	46	53.3	33.953	N	116.623	W	10	G			1.2	13	SOUTHERN CALIFORNIA. ML 4.0 (PAS). Felt (VI) at Hemet, (V) at Desert Hot Springs and (IV) at Cathedral City, Indio, North Palm Springs and Yucca Valley. Also felt at Palm Springs, Beaumont, Cabazon, Forest Falls and White Water.
29	08	04	56.0•	33.534	N	94.907	E	33	N	3.6		1.3	6	QINGHAI PROVINCE, CHINA
29	08	09	01.6•	51.700	N	171.797	W	33	N	4.4		0.7	8	FOX ISLANDS, ALEUTIAN ISLANDS
29	08	26	24.0&	42.106	N	111.655	W	1	G				12	EASTERN IDAHO. <SLC-P>. ML 3.2 (SLC).
29	09	09	14.6?	42.82	N	18.78	E	10	G			0.4	4	YUGOSLAVIA. ML 2.2 (TTG).
29	09	37	34.6&	42.105	N	111.652	W	1	G				9	EASTERN IDAHO. <SLC-P>. ML 2.4 (SLC). Felt (III) at Preston.
29	10	00	31.2	42.195	N	19.552	E	10	G			0.9	8	YUGOSLAVIA. ML 2.6 (TTG).
29	10	21	33.0	12.506	S	166.659	E	108		4.9		0.7	55	SANTA CRUZ ISLANDS
29	13	41	20.1	1.070	N	126.080	E	75		4.8		1.0	42	MOLUCCA PASSAGE
29	14	00	59.3	63.064	N	150.793	W	119		4.4		0.7	20	CENTRAL ALASKA
29	14	42	28.2&	59.175	N	153.620	W	107					31	SOUTHERN ALASKA. <AGS-P>.
29	14	57	02.8	46.343	N	12.478	E	10	G	4.8		1.1	130	NORTHERN ITALY. ML 4.8 (LDG), 4.4 (TRI). Slight damage (VI) and landslides in the Pieve di Cadore area. Felt in the Bolzano-Treviso-Udine area.
29	15	00	50.2	46.319	N	12.436	E	10	G			0.9	43	NORTHERN ITALY. ML 4.4 (LDG), 3.8 (TRI), 3.7 (FIR). Felt in the Belluno area.
29	18	52	25.4•	42.495	N	20.174	E	10	G			0.5	5	YUGOSLAVIA. MD 2.4 (TTG).
29	19	30	20.8	43.185	N	25.937	E	10	G			1.0	10	BULGARIA
29	20	59	27.9?	27.62	S	66.46	W	236	?			0.5	7	CATAMARCA PROVINCE, ARGENTINA
29	23	03	08.6&	40.613	N	124.885	W	6	G				5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
30	01	01	27.1?	43.05	N	18.01	E	10	G			0.7	6	YUGOSLAVIA. ML 2.8 (TTG).
30	01	49	56.4	33.599	S	72.305	W	33	N	4.3		1.0	23	OFF COAST OF CENTRAL CHILE
30	03	40	12.4•	6.789	S	146.723	E	33	N			1.4	6	EAST PAPUA NEW GUINEA REGION
30	04	22	09.5•	34.890	N	25.352	E	122	?	3.8		0.7	9	CRETE
30	04	47	10.7	39.087	N	27.859	E	10	G			0.9	24	TURKEY. ML 4.1 (ATH).
30	05	49	04.7	39.125	N	27.821	E	10	G			0.9	14	TURKEY
30	05	55	02.7%	39.035	N	27.890	E	10	G			1.1	6	TURKEY
30	06	07	02.2%	39.071	N	27.833	E	10	G			0.4	7	TURKEY
30	07	45	46.6?	34.50	N	88.20	E	33	N	4.2		1.4	6	TIBET
30	07	49	24.1	39.070	N	27.866	E	10	G			0.6	9	TURKEY
30	09	24	35.7	39.096	N	27.831	E	10	G			1.1	7	TURKEY
30	10	20	13.4%	41.988	N	24.753	E	10	G			0.5	5	GREECE-BULGARIA BORDER REGION
30	10	30	45.8	39.124	N	27.770	E	10	G			1.2	9	TURKEY
30	11	37	03.0	11.223	S	118.477	E	33	N	5.0		1.2	22	SOUTH OF SUMBAWA ISLAND
30	11	42	28.6	38.881	N	107.053	W	5	G			1.0	19	COLORADO. ML 2.5 (NEIS).
30	12	09	34.0•	39.392	N	28.200	E	10	G			1.3	5	TURKEY
30	12	09	43.1?	39.28	N	27.94	E	10	G			1.2	5	TURKEY
30	12	42	46.7	39.079	N	27.842	E	10	G			0.6	9	TURKEY
30	12	50	08.6?	5.20	S	154.48	E	33	N	4.7		0.5	6	SOLOMON ISLANDS
30	13	00	12.7	39.071	N	27.845	E	10	G			0.9	8	TURKEY

	30	13 06 23.07	5.14	S	154.48	E	33 N	4.6		1.4	5	SOLOMON ISLANDS
	30	13 37 43.4•	20.488	S	66.752	W	258 ?			1.4	9	SOUTHERN BOLIVIA
	30	14 08 56.6•	28.072	N	54.478	E	33 N	4.2		0.9	11	SOUTHERN IRAN
	30	14 13 42.9•	38.874	N	28.272	E	10 G			1.2	7	TURKEY
	30	15 04 46.4	8.258	S	121.118	E	210 •	4.3		1.0	10	FLORES ISLAND REGION
	30	15 05 50.07	26.39	S	27.39	E	5 G			1.6	4	REPUBLIC OF SOUTH AFRICA. MG 3.6 (BUL).
	30	15 52 12.6	5.010	S	153.617	E	85 •	4.1		1.3	21	NEW IRELAND REGION
	30	17 58 22.5•	25.364	S	179.651	E	537 •	4.5		0.?	10	SOUTH OF FIJI ISLANDS
	30	18 12 22.87	33.48	N	82.14	E	33 N	4.1		1.6	6	TIBET
	30	18 43 32.6	39.099	N	27.880	E	10 G			0.8	6	TURKEY
	30	18 45 15.4	9.504	S	113.082	E	60 •	5.2		1.3	75	SOUTH OF JAVA
	30	19 08 39.2	41.094	N	24.253	E	10 G			1.0	10	GREECE-BULGARIA BORDER REGION
	30	19 16 21.6%	41.688	N	24.250	E	10 G			0.5	6	GREECE-BULGARIA BORDER REGION
	30	19 16 27.3•	51.265	N	15.782	E	10 G			1.5	8	POLAND. ML 3.6 (VKA), 3 5 (KBA).
	30	20 02 09.07	59.39	N	6.57	E	5 G			1.1	6	SOUTHERN NORWAY. MD 1.9 (BER).
	30	20 29 40.5	39.111	N	27.782	E	10 G			1.0	9	TURKEY
	30	21 12 18.1•	45.141	N	3.297	E	10 G			0.7	9	FRANCE. ML 2.8 (LDG).
	30	21 13 29.3•	37.444	N	20.363	E	10 G	4.3		1.1	11	IONIAN SEA. ML 3.9 (ATH).
f	30	21 28 35.4	45.547	N	26.316	E	132 G	6.4	6.9	1.1	554	ROMANIA. Damage (VIII) in the Focsani-Birlad area, including the collapse of a church. Felt (VII) at Bucharest. Two people killed, 558 injured, and about 55,000 homes damaged, leaving more than 12,500 people homeless in the Kishinev-Kagul area, USSR. Felt (VII) in northern Bulgaria; (V) in the Skopje area, Yugoslavia; (IV) at Simferopol and Kiev, USSR and Belgrade, Yugoslavia; (III) at Moscow, USSR and Titograd, Yugoslavia. Felt throughout central and eastern Hungary. Also felt in Greece, Turkey, southern Italy and eastern Poland. Depth from broadband displacement seismograms.
	30	22 28 47.0%	39.060	N	27.919	E	10 G			0.4	6	TURKEY
	30	22 56 51.4•	28.650	S	178.413	W	258 •	5.0		1.1	29	KERMADEC ISLANDS REGION
	31	02 39 56.7	41.655	N	24.239	E	10 G			0.8	6	GREECE-BULGARIA BORDER REGION
	31	02 44 58.1	19.144	N	121.129	E	51	4.8		0.9	70	PHILIPPINE ISLANDS REGION. Felt (II RF) at Pasuquin.
	31	03 12 02.3•	37.498	N	71.281	E	33 N	4.1		1.1	7	AFGHANISTAN-USSR BORDER REGION
	31	06 09 30.37	4.53	N	75.25	W	33 N			0.0	4	COLOMBIA. Felt at Ibague.
	31	06 19 58.8%	45.494	N	26.542	E	140 G			0.8	8	ROMANIA
	31	06 24 45.97	8.46	S	158.29	E	33 N			0.9	5	SOLOMON ISLANDS
	31	06 58 00.9%	45.580	N	26.528	E	140 G			0.7	8	ROMANIA
	31	07 59 11.2•	33.005	S	72.019	W	10 G			0.2	10	OFF COAST OF CENTRAL CHILE
	31	08 38 39.4	18.458	S	175.050	W	208 D	5.3		1.1	126	TONGA ISLANDS
a	31	09 23 04.7	23.042	N	144.120	E	46 •	5.4	5.9	1.1	155	VOLCANO ISLANDS REGION. Ms 5.9 (BRK).
	31	09 37 18.1•	22.985	N	144.212	E	33 N	5.0		0.9	28	VOLCANO ISLANDS REGION
	31	11 38 22.7•	22.621	S	170.•71	E	33 N	4.8		1.3	14	LOYALTY ISLANDS REGION
	31	12 24 58.57	6.63	S	154.90	E	33 N			0.9	4	SOLOMON ISLANDS
	31	12 35 08.5•	45.471	N	26.368	E	150 •	3.2		0.7	11	ROMANIA
	31	14 34 31.6	11.340	S	118.777	E	33 N	4.8		1.1	16	SOUTH OF SUMBAWA ISLAND
	31	14 42 49.2•	39.116	N	27.874	E	10 G			1.1	5	TURKEY
	31	14 55 15.6•	17.584	S	173.862	W	33 N	4.9		1.1	29	TONGA ISLANDS
	31	17 33 46.4•	10.913	S	119.183	E	33 N			0.6	5	SUMBA ISLAND REGION
	31	19 30 25.1%	44.622	N	6.902	E	10 G			0.3	5	FRANCE. ML 1.9 (LDG).
	31	19 30 45.8%	44.614	N	6.981	E	10 G			0.4	5	FRANCE. ML 2.1 (LDG).
	31	19 47 28.47	63.29	S	173.35	E	10 G	4.4		1.2	5	BALLENY ISLANDS REGION
	31	20 18 50.5%	45.114	N	3.060	E	10 G			1.0	7	FRANCE. ML 1.8 (LDG).
	31	21 20 15.3•	19.965	N	97.973	E	10 G			0.7	6	BURMA
	31	22 26 00.27	46.79	N	0.54	E	10 G			0.1	4	FRANCE. ML 2.1 (LDG).
	31	22 57 34.5	37.141	N	3.162	W	10 G			1.3	23	SPAIN. MG 3.7 (MDD). Felt (IV) at Finana, La Calahorra, Trevelez and Ugijar and (III) at Cadiar.
	31	23 25 48.47	37.39	N	3.00	W	10 G			0.4	4	SPAIN. MG 2.9 (MDD). Felt (V) at Aldeire.
	31	23 27 56.4•	18.337	N	65.076	W	33 N			0.5	10	PUERTO RICO REGION. Felt at Aguas Buenas and Bayamon.
	31	23 29 33.1	41.875	N	126.331	W	10 G	4.4	4.1	1.2	40	OFF COAST OF NORTHERN CALIFORNIA

ADDITIONAL SOURCE PARAMETERS

01 14 09 24.97 35.888S 183.782W 10km
5.5mb (20 obs.) 5.8Msz (1 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 14:09:31.4 0.3
Lat 35.73S 0.06 Lon 183.66W 0.06
Dep 15.0 FIX Half-duration 2.1
Principal Axes:

	Scale 10••24 D-CM		
T	Val= 2.25	Plg= 3	Azm=231
N	-0.17	78	125
P	-2.08	11	321

Best Double Couple:Mo=2.2•10••24

NP1:Strike=	6	Dip=88	Slip= -6
NP2:	97	84	-178

01 16 20 59.18, 16.948S 179.089W 517km
4.9mb (27 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 16:21: 4.4 1.1
Lat 17.03S 0.11 Lon 178.91W 0.10
Dep 531.3 5.8 Half-duration 1.7
Principal Axes:

	Scale 10••23 D-CM		
T	Val= 10.43	Plg=18	Azm=137
N	-1.35	72	312
P	-9.08	1	46

Best Double Couple:Mo=9.8•10••23

NP1:Strike=188		Dip=76	Slip= 168
NP2:	273	78	14

01 21 05 39.78 51.369N 174.283W 33km
5.5mb (63 obs.) 5.0Msz (9 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 21:05:43.1 0.6
Lat 51.58N 0.06 Lon 173.92W 0.14
Dep 15.0 FIX Half-duration 1.7
Principal Axes:

	Scale 10••23 D-CM		
T	Val= 14.64	Plg=63	Azm=318
N	0.48	6	59
P	-15.12	27	152

Best Double Couple:Mo=1.5•10••24

NP1:Strike=256		Dip=19	Slip= 108
NP2:	57	72	84

02 12 42 12.40 28.304S 177.686W 33km
5.2mb (9 obs.) 5.3Msz (5 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 12:42:13.5 0.6
Lat 28.21S 0.04 Lon 177.97W 0.05
Dep 15.0 FIX Half-duration 2.3
Principal Axes:

	Scale 10••24 D-CM		
T	Val= 3.09	Plg= 8	Azm=114
N	-0.65	13	22
P	-2.44	74	236

Best Double Couple:Mo=2.8•10••24

NP1:Strike=220		Dip=38	Slip= -68
NP2:	13	55	-107

02 17 49 25.69 13.073N 88.806W 80km
5.4mb (57 obs.)
EL SALVADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Location:
Origin Time 17:49:21.2 0.3
Lat 12.75N 0.04 Lon 89.12W 0.04

Dep 53.7 2.6 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.19 Plg=19 Azm= 53
N 0.05 6 321
P -3.24 70 215
Best Double Couple:Mo=3.2*10**24
NP1:Strike=153 Dip=27 Slip= -77
NP2: 318 64 -96

02 20 35 36.20 58.265S 15.319W 10km
5.4mb (9 obs.) 5.2Msz (1 obs.)
SOUTHWESTERN ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 37C
Centroid Location:
Origin Time 20:35:40.2 0.3
Lat 58.74S 0.04 Lon 15.47W 0.07
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.23 Plg=17 Azm=308
N -0.34 55 193
P -1.89 30 48
Best Double Couple:Mo=2.1*10**24
NP1:Strike= 85 Dip=56 Slip= -10
NP2: 181 81 -146

03 13 29 10.17 51.164N 176.808W 33km
5.4mb (78 obs.) 5.0Msz (26 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Location:
Origin Time 13:29:10.6 0.3
Lat 51.57N 0.03 Lon 177.01W 0.07
Dep 18.0 BDY Half-duration 3.5
Principal Axes:
Scale 10**24 D-CM
T Val= 7.94 Plg=62 Azm=318
N 0.38 10 67
P -8.24 26 162
Best Double Couple:Mo=8.1*10**24
NP1:Strike=275 Dip=21 Slip= 120
NP2: 64 72 79

04 13 54 07.17 2.370S 138.893E 48km
5.1mb (17 obs.) 5.2Msz (1 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 13:54: 8.5 0.9
Lat 2.24S 0.09 Lon 138.88E 0.12
Dep 39.411.8 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 4.78 Plg=74 Azm= 70
N 0.96 3 330
P -5.74 16 239
Best Double Couple:Mo=5.3*10**23
NP1:Strike=325 Dip=29 Slip= 85
NP2: 152 61 93

04 22 34 37.87 46.331N 153.182E 33km
5.5mb (72 obs.) 5.1Msz (13 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 23C
Centroid Location:
Origin Time 22:34:38.5 0.5
Lat 46.33N 0.06 Lon 153.35E 0.10
Dep 17.2 3.4 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.45 Plg=74 Azm=322
N -0.01 4 218
P -1.44 16 127
Best Double Couple:Mo=1.4*10**24
NP1:Strike=212 Dip=38 Slip= 82
NP2: 41 61 94

05 11 15 31.41 24.197S 177.168W 33km
5.3mb (15 obs.) 5.0Msz (4 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 11:15:33.1 0.9
Lat 24.36S 0.08 Lon 177.42W 0.09
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 10.15 Plg=16 Azm=104
N 0.32 22 7
P -10.48 62 227
Best Double Couple:Mo=1.0*10**24
NP1:Strike=223 Dip=35 Slip= -49
NP2: 356 65 -115

05 19 17 11.84 24.060S 177.300W 33km
5.1mb (8 obs.) 5.0Msz (2 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 19:17:13.9 1.1
Lat 24.30S 0.09 Lon 177.24W 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 8.88 Plg= 9 Azm=299
N -1.87 69 53
P -7.00 19 206
Best Double Couple:Mo=7.5*10**23
NP1:Strike=344 Dip=70 Slip=-172
NP2: 252 83 -20

05 20 59 25.04 53.027N 153.386E 512km
4.7mb (64 obs.)
SEA OF OKHOTSK
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 20:59:30.5 0.6
Lat 52.91N 0.06 Lon 152.85E 0.12
Dep 511.5 4.0 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 9.92 Plg=30 Azm= 90
N -0.35 1 180
P -9.56 60 271
Best Double Couple:Mo=9.7*10**23
NP1:Strike=178 Dip=15 Slip= -92
NP2: 0 75 -89

06 09 54 52.64 23.763S 179.930E 545km
5.1mb (31 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 21C
Centroid Location:
Origin Time 09:54:56.5 1.1
Lat 24.09S 0.11 Lon 179.98E 0.10
Dep 558.4 4.7 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 9.21 Plg=66 Azm=116
N -0.87 9 228
P -8.34 21 321
Best Double Couple:Mo=8.8*10**23
NP1:Strike= 68 Dip=25 Slip= 112
NP2: 224 67 80

06 13 56 05.75 55.29 S 128.98 W 10km
4.8mb (8 obs.) 5.5Msz (1 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C
Centroid Location:
Origin Time 13:56:13.0 0.2
Lat 55.35S 0.03 Lon 128.93W 0.04
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM
T Val= 5.40 Plg=11 Azm=336
N 0.07 64 90
P -5.47 23 241
Best Double Couple:Mo=5.4*10**24
NP1:Strike= 21 Dip=65 Slip=-171
NP2: 287 82 -25

06 19 55 15.66 29.344N 100.915E 34km
5.5mb (71 obs.) 5.0Msz (5 obs.)
SICHUAN PROVINCE, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 19:55:20.3 0.4
Lat 29.15N 0.07 Lon 101.20E 0.10
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 10.72 Plg=23 Azm=357
N 2.07 39 107
P -12.79 43 244
Best Double Couple:Mo=1.2*10**24
NP1:Strike= 40 Dip=41 Slip=-162
NP2: 296 78 -50

07 02 51 28.99 18.010S 178.483W 595km
5.0mb (35 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 02:51:33.1 1.1
Lat 18.02S 0.10 Lon 178.27W 0.09
Dep 603.4 5.0 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.20 Plg=14 Azm= 18
N 0.06 47 123
P -1.27 40 276
Best Double Couple:Mo=1.2*10**24
NP1:Strike= 65 Dip=52 Slip=-159
NP2: 322 73 -40

07 12 10 19.08 11.709N 95.297E 33km
5.2mb (42 obs.)
ANDAMAN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 12:10:17.0 0.9
Lat 11.86N 0.11 Lon 94.64E 0.10
Dep 33.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 4.35 Plg=11 Azm=129
N 0.54 79 309
P -4.89 8 39
Best Double Couple:Mo=4.6*10**23
NP1:Strike=173 Dip=82 Slip= 172
NP2: 265 82 8

07 22 32 50.43 7.433N 81.241W 8km
5.4mb (64 obs.) 5.4Msz (17 obs.)
PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 22:32:58.0 0.3
Lat 7.53N 0.04 Lon 81.06W 0.04
Dep 15.0 BDY Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.67 Plg= 3 Azm=124
N 0.47 52 30
P -4.14 38 216
Best Double Couple:Mo=3.9*10**24
NP1:Strike=253 Dip=62 Slip= -27
NP2: 356 67 -150

08 16 18 58.18 7.850N 59.548E 10km
4.9mb (14 obs.) 4.8Msz (1 obs.)
CARLSBERG RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 16:19: 1.6 1.1
Lat 8.36N 0.20 Lon 59.46E 0.08
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.98 Plg=12 Azm= 59
N -0.45 17 153
P -5.46 68 295
Best Double Couple:Mo=5.7*10**23
NP1:Strike=128 Dip=36 Slip=-120
NP2: 344 60 -70

09 00 53 12.63 14.099N 120.335E 80km
5.5mb (71 obs.)
LUZON, PHILIPPINE ISLANDS

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 00:53:13.6 0.3
Lat 13.93N 0.03 Lon 120.19E 0.04
Dep 80.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 1.75 Plg=26 Azm=119
N 0.66 23 17
P -2.42 54 252
Best Double Couple:Mo=2.1*10**24
NP1:Strike=250 Dip=28 Slip= -34
NP2: 11 75 -114

10 04 40 49.77 1.985N 128.271E 104km
6.1mb (63 obs.)
HALMAHERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=122 Dip=88 Slip= 88
NP2: 327 24 113
Principal Axes:
T Plg=66 Azm= 15
P 22 220
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a small right-lateral strike-slip component. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 110 No. of sta: 18
Principal Axes:
Scale 10**25 d-cm
T Val= 4.42 Plg=57 Azm=327
N 0.06 29 117
P -4.48 13 215
Best Double Couple:Mo=4.5*10**25
NP1:Strike=338 Dip=41 Slip= 138
NP2: 102 64 57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 47C M.W.: 7S, 14C
Centroid Location:
Origin Time 04:48:54.0 0.2
Lat 1.95N 0.02 Lon 128.11E 0.02
Dep 109.6 0.9 Half-duration 5.0
Principal Axes:
Scale 10**25 D-CM
T Val= 2.62 Plg=67 Azm=351
N -0.09 13 115
P -2.52 18 209
Best Double Couple:Mo=2.6*10**25
NP1:Strike=320 Dip=29 Slip= 118
NP2: 108 65 75

11 06 58 05.06 14.745S 66.477E 10km
5.2mb (28 obs.) 5.0Msz (3 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 06:58:12.2 1.5
Lat 14.51S 0.14 Lon 66.54E 0.12
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 4.67 Plg= 7 Azm=232
N 0.48 26 325
P -5.16 63 129
Best Double Couple:Mo=4.9*10**23
NP1:Strike=296 Dip=45 Slip=-128
NP2: 163 57 -59

11 08 05 56.83 22.265N 121.647E 124km
5.5mb (79 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 08:05:59.1 0.6
Lat 22.35N 0.05 Lon 121.42E 0.07
Dep 131.6 2.3 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.71 Plg=68 Azm=148
N -0.08 21 340
P -1.63 7 247
Best Double Couple:Mo=1.7*10**24
NP1:Strike=314 Dip=42 Slip= 58
NP2: 175 55 116

11 10 37 59.17 20.181N 121.312E 33km
5.4mb (64 obs.) 5.0Msz (7 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 10:38: 1.5 0.4
Lat 19.93N 0.04 Lon 120.70E 0.04
Dep 20.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.54 Plg=80 Azm= 46
N 0.57 6 169
P -3.10 8 259
Best Double Couple:Mo=2.8*10**24
NP1:Strike=356 Dip=37 Slip= 99
NP2: 185 54 83

11 19 43 13.18 0.075S 17.852W 10km
5.0mb (45 obs.) 4.6Msz (2 obs.)
NORTH OF ASCENSION ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 19:43:21.2 0.5
Lat 0.29N 0.05 Lon 17.67W 0.05
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.11 Plg=10 Azm= 36
N -0.05 79 236
P -1.06 4 128
Best Double Couple:Mo=1.1*10**24
NP1:Strike=171 Dip=80 Slip= 5
NP2: 81 85 170

11 22 06 43.28 39.923S 67.685W 5km
5.4mb (21 obs.) 4.9Msz (4 obs.)
SAN JUAN PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 28C
Centroid Location:
Origin Time 22:06:49.5 0.4
Lat 31.19S 0.06 Lon 67.75W 0.07
Dep 26.5 5.5 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 13.67 Plg=35 Azm=155
N -0.76 48 296
P -12.91 20 50
Best Double Couple:Mo=1.3*10**24
NP1:Strike=187 Dip=49 Slip= 107
NP2: 285 60 41

12 00 59 28.98 23.987S 177.199W 33km
5.1mb (8 obs.) 5.1Msz (7 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centroid Location:
Origin Time 00:59:33.4 0.7
Lat 24.18S 0.05 Lon 177.24W 0.06
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.49 Plg= 3 Azm=291
N -0.07 5 22
P -1.42 84 171
Best Double Couple:Mo=1.4*10**24
NP1:Strike= 16 Dip=42 Slip= -97
NP2: 206 48 -83

12 04 07 16.78 5.967N 82.591W 10km
5.4mb (57 obs.) 5.1Msz (13 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 04:07:25.1 0.3
Lat 6.00N 0.03 Lon 82.47W 0.04
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 0.32 Plg=17 Azm=316
N -0.91 70 102
P -5.42 11 223
Best Double Couple:Mo=5.9*10**24
NP1:Strike=358 Dip=78 Slip= 175
NP2: 90 86 20

12 05 09 07.73 0.111N 100.237E 47km
5.2mb (38 obs.) 5.3Msz (5 obs.)
NORTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 05:09: 7.0 0.7
Lat 0.17N 0.06 Lon 100.28E 0.07
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.63 Plg=13 Azm=298
N -0.23 77 110
P -1.40 8 20
Best Double Couple:Mo=1.5*10**24
NP1:Strike= 66 Dip=81 Slip= 10
NP2: 334 81 170

13 04 11 41.09 5.842N 82.413W 10km
5.4mb (69 obs.) 5.2Msz (16 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C
Centroid Location:
Origin Time 04:11:47.3 0.4
Lat 5.93N 0.03 Lon 82.49W 0.04
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 5.46 Plg=19 Azm=345
N -1.27 71 181
P -4.18 5 77
Best Double Couple:Mo=4.8*10**24
NP1:Strike=122 Dip=73 Slip= 10
NP2: 29 81 163

13 15 27 21.81 7.691N 74.713W 60km
5.0mb (52 obs.)
NORTHERN COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 15:27:29.0 0.7
Lat 8.00N 0.07 Lon 74.74W 0.08
Dep 78.5 7.2 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 6.84 Plg=16 Azm=148
N 2.48 48 32
P -9.24 38 243
Best Double Couple:Mo=8.0*10**23
NP1:Strike=274 Dip=51 Slip= -18
NP2: 16 76 -140

14 19 39 13.67 1.795N 126.519E 33km
6.0mb (63 obs.) 7.2Msz (14 obs.)
MOLUCCA PASSAGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=224 Dip=83 Slip= 60
NP2: 122 31 166
Principal Axes:
T Plg=44 Azm=105
P 31 338
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 38 No. of sta: 10
Principal Axes:
Scale 10**27 d-cm
T Val= 1.58 Plg=38 Azm= 98
N 0.07 43 234
P -1.57 24 348
Best Double Couple:Mo=1.5*10**27
NP1:Strike=127 Dip=44 Slip= 168
NP2: 226 81 47
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 47C M.W.: 13S, 34C
Centroid Location:
Origin Time 19:39:28.9 0.1

Lat 2.08N 0.01 Lon 126.89E 0.01
Dep 20.2 0.7 Half-duration 15.0
Principal Axes:
Scale 10**27 D-CM
T Val= 2.45 Plg=52 Azm=150
N -0.38 14 42
P -2.07 35 302
Best Double Couple:Mo=2.3*10**27
NP1:Strike=347 Dip=16 Slip= 34
NP2: 224 81 104

15 00 41 20.47 8.689S 124.212E 188km
5.0mb (31 obs.)
TIMOR
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=119 Dip=78 Slip= 43
NP2: 18 48 164
Principal Axes:
T Plg=38 Azm=348
P 19 242
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.

15 07 48 44.71 1.929N 126.482E 33km
5.6mb (38 obs.) 5.8Msz (19 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 07:48:48.6 0.2
Lat 1.61N 0.04 Lon 126.54E 0.05
Dep 15.0 FIX Half-duration 4.3
Principal Axes:
Scale 10**25 D-CM
T Val= 2.66 Plg=35 Azm=129
N 0.03 4 36
P -2.69 55 300
Best Double Couple:Mo=2.7*10**25
NP1:Strike=237 Dip=11 Slip= -68
NP2: 35 80 -94

15 20 20 37.37 48.638N 126.621E 33km
5.0mb (48 obs.) 5.1Msz (1 obs.)
NORTHEASTERN CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 20:20:39.3 1.7
Lat 48.61N 0.17 Lon 126.09E 0.33
Dep 15.0 BDY Half-duration 1.2
Principal Axes:
Scale 10**23 D-CM
T Val= 3.10 Plg=11 Azm=342
N 0.50 61 231
P -3.60 27 77
Best Double Couple:Mo=3.4*10**23
NP1:Strike=116 Dip=63 Slip= -12
NP2: 212 79 -153

16 17 19 23.02 1.864N 126.522E 33km
5.8mb (48 obs.) 5.9Msz (18 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 17:19:27.2 0.2
Lat 1.72N 0.03 Lon 126.65E 0.03
Dep 15.0 FIX Half-duration 5.0
Principal Axes:
Scale 10**25 D-CM
T Val= 5.37 Plg=34 Azm=118
N -0.53 1 208
P -4.85 56 300
Best Double Couple:Mo=5.1*10**25
NP1:Strike=205 Dip=11 Slip= -94
NP2: 29 79 -89

16 21 08 28.22 1.765N 126.442E 33km
5.7mb (45 obs.) 5.4Msz (14 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 21:08:31.6 0.2
Lat 1.46N 0.05 Lon 126.20E 0.04
Dep 15.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**25 D-CM
T Val= 1.34 Plg=38 Azm=176
N 0.06 9 273
P -1.41 50 15
Best Double Couple:Mo=1.4*10**25
NP1:Strike=217 Dip=11 Slip=-147
NP2: 94 84 -80

17 15 27 41.26 2.276N 126.959E 31km
5.0mb (52 obs.) 6.3Msz (21 obs.)
MOLUCCA PASSAGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=128 Dip=59 Slip= 116
NP2: 265 40 54
Principal Axes:
T Plg=65 Azm= 86
P 18 280
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 42 No. of sta: 18
Principal Axes:
Scale 10**25 d-cm
T Val= 4.65 Plg=68 Azm=310
N 0.05 2 132
P -4.70 0 42
Best Double Couple:Mo=4.7*10**25
NP1:Strike=130 Dip=45 Slip= 87
NP2: 314 45 93
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 15:27:51.7 0.2
Lat 2.59N 0.03 Lon 127.35E 0.03
Dep 25.0 BDY Half-duration 5.5
Principal Axes:
Scale 10**25 D-CM
T Val= 5.77 Plg=64 Azm=288
N -1.15 22 141
P -4.62 13 46
Best Double Couple:Mo=5.2*10**25
NP1:Strike=109 Dip=38 Slip= 52
NP2: 334 61 115

18 01 59 54.58 20.492S 174.287W 20km
5.9mb (54 obs.) 5.9Msz (23 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 22 Dip=75 Slip= 90
NP2: 202 15 90
Principal Axes:
T Plg=60 Azm=292
P 30 112
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 41C
Centroid Location:
Origin Time 02:00: 3.2 0.2
Lat 20.75S 0.02 Lon 173.88W 0.02
Dep 15.0 FIX Half-duration 4.3
Principal Axes:
Scale 10**25 D-CM
T Val= 1.81 Plg=67 Azm=274
N 0.16 6 17
P -1.98 22 110
Best Double Couple:Mo=1.9*10**25
NP1:Strike=211 Dip=23 Slip= 105
NP2: 15 67 84

18 14 16 14.14 1.739N 126.575E 33km
5.5mb (35 obs.) 5.2Msz (7 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 14:16:22.5 0.3
Lat 2.20N 0.04 Lon 126.35E 0.03
Dep 23.9 1.8 Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Val= 5.81 Plg=82 Azm= 46
N 0.89 3 136
P -6.81 7 240
Best Double Couple:Mo=6.4*10**24
NP1:Strike=342 Dip=38 Slip= 95
NP2: 156 52 86

19 00 27 35.94 8.376N 126.681E 33km
5.0mb (48 obs.) 4.9Msz (4 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 00:27:39.0 0.5
Lat 8.02N 0.05 Lon 126.77E 0.04
Dep 48.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 1.99 Plg=64 Azm=341
N 0.17 23 188
P -2.16 10 94
Best Double Couple:Mo=2.1*10**24
NP1:Strike=158 Dip=48 Slip= 52
NP2: 23 59 117

20 07 05 01.60 5.325S 151.331E 79km
5.8mb (52 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=188 Dip=58 Slip= 178
NP2: 275 82 32
Principal Axes:
T Plg=29 Azm=142
P 16 44
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 45C
Centroid Location:
Origin Time 07:05: 7.8 0.1
Lat 5.54S 0.02 Lon 151.26E 0.02
Dep 82.7 1.5 Half-duration 5.1
Principal Axes:
Scale 10**25 D-CM
T Val= 2.98 Plg=43 Azm=142
N -0.49 46 309
P -2.49 7 46
Best Double Couple:Mo=2.7*10**25
NP1:Strike=174 Dip=56 Slip= 151
NP2: 282 66 38

20 10 09 32.68 16.941S 173.587W 33km
5.0mb (36 obs.) 4.7Msz (1 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 10:09:39.1 0.6
Lat 16.85S 0.08 Lon 173.18W 0.09
Dep 75.9 5.4 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.24 Plg=27 Azm=241
N 0.26 13 337
P -1.50 60 99
Best Double Couple:Mo=1.4*10**24
NP1:Strike=303 Dip=22 Slip=-127
NP2: 161 73 -77

20 18 15 38.87 2.869N 126.534E 33km
5.4mb (19 obs.) 4.5Msz (1 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 18:15:46.5 0.3
Lat 1.97N 0.05 Lon 126.52E 0.04
Dep 33.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 2.10 Plg=72 Azm=167
N -0.12 17 7
P -1.98 6 276
Best Double Couple:Mo=2.0*10**24

NP1:Strike=348 Dip=42 Slip= 64
NP2: 291 53 111

28 21 23 54.88 34.572N 91.633E 33km
5.4mb (52 obs.) 6.8Msz (12 obs.)
QINGHAI PROVINCE, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Location:
Origin Time 21:24: 3.0 0.2
Lat 34.58N 0.03 Lon 91.96E 0.03
Dep 15.0 BDY Half-duration 5.4
Principal Axes:
Scale 10**25 D-CM
T Val= 4.74 Plg= 3 Azm=121
N 0.28 62 26
P -5.02 28 213
Best Double Couple:Mo=4.9*10**25
NP1:Strike=253 Dip=89 Slip= -18
NP2: 350 73 -158

21 17 01 27.21 9.671S 169.551W 10km
5.0mb (10 obs.) 5.3Msz (3 obs.)
NORTHERN EASTER I. CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C
Centroid Location:
Origin Time 17:01:31.7 0.3
Lat 9.69S 0.05 Lon 169.58W 0.04
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.10 Plg=16 Azm=302
N -0.00 67 170
P -2.00 16 37
Best Double Couple:Mo=2.1*10**24
NP1:Strike= 79 Dip=67 Slip= 0
NP2: 169 90 -157

23 17 11 47.12 31.675N 40.938W 10km
5.3mb (42 obs.) 5.2Msz (12 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 35C
Centroid Location:
Origin Time 17:11:54.0 0.3
Lat 31.78N 0.06 Lon 40.45W 0.06
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.14 Plg=21 Azm=291
N 0.06 29 33
P -2.20 53 170
Best Double Couple:Mo=2.2*10**24
NP1:Strike=342 Dip=35 Slip=-147
NP2: 224 72 -60

23 23 47 48.85 34.549S 179.288E 32km
6.1mb (25 obs.) 6.5Msz (14 obs.)
SOUTH OF KERMADEC ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=351 Dip=85 Slip=-173
NP2: 260 83 -5
Principal Axes:
T Plg= 1 Azm=128
P 8 216
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 26 No. of sta: 8
Principal Axes:
Scale 10**25 d-cm
T Val= 7.99 Plg=10 Azm=298
N -0.83 78 83
P -7.96 7 207
Best Double.Couple:Mo=8.0*10**25
NP1:Strike=342 Dip=78 Slip= 178
NP2: 73 88 12
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 52C M.W.: 10S, 23C
Centroid Location:
Origin Time 23:47:51.4 0.2
Lat 34.51S 0.01 Lon 179.33E 0.02
Dep 15.0 FIX Half-duration 6.3
Principal Axes:
Scale 10**25 D-CM
T Val= 5.62 Plg=28 Azm=312
N -1.50 58 183
P -4.12 14 49
Best Double Couple:Mo=4.9*10**25
NP1:Strike= 93 Dip=88 Slip= 11
NP2: 358 81 150

24 10 45 00.21 24.056S 177.137W 33km
5.4mb (13 obs.) 5.1Msz (4 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 10:45: 4.7 0.7
Lat 24.20S 0.07 Lon 177.43W 0.07
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 12.87 Plg= 2 Azm=297
N -2.10 34 28
P -10.77 56 204
Best Double Couple:Mo=1.2*10**24
NP1:Strike=357 Dip=53 Slip=-135
NP2: 235 56 -47

24 13 03 38.72 27.271S 176.418W 33km
5.3mb (14 obs.) 4.9Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 13:03:40.9 1.0
Lat 27.22S 0.12 Lon 176.52W 0.12
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 7.15 Plg=61 Azm=276
N -0.15 2 10
P -7.00 29 102
Best Double Couple:Mo=7.1*10**23
NP1:Strike=198 Dip=16 Slip= 98
NP2: 10 74 88

24 19 38 10.97 23.894S 177.201W 33km
5.3mb (10 obs.) 5.1Msz (5 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 19:38:13.2 0.4
Lat 24.30S 0.04 Lon 177.37W 0.04
Dep 15.4 2.2 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.92 Plg= 1 Azm=291
N -0.05 24 21
P -1.87 66 199
Best Double Couple:Mo=1.9*10**24
NP1:Strike=358 Dip=49 Slip=-123
NP2: 223 50 -58

24 23 46 51.25 2.100N 126.873E 35km
5.3mb (18 obs.) 5.1Msz (7 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 23:46:53.8 0.5
Lat 2.32N 0.05 Lon 126.68E 0.05
Dep 17.8 2.5 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.52 Plg=75 Azm=348
N -0.33 14 144
P -2.19 4 235
Best Double Couple:Mo=2.4*10**24
NP1:Strike=339 Dip=43 Slip= 111
NP2: 132 50 72

25 15 40 31.51 16.316S 173.050W 33km
4.9mb (11 obs.) 5.0Msz (3 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centroid Location:
Origin Time 15:40:36.0 0.7
Lat 16.93S 0.07 Lon 172.50W 0.07
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**24 D-CM
T Val= 1.78 Plg=60 Azm=273
N -0.03 5 12
P -1.75 30 106
Best Double Couple:Mo=1.8*10**24
NP1:Strike=212 Dip=16 Slip= 110
NP2: 11 75 84

26 09 43 00.39 37.724N 101.496E 8km
6.2mb (79 obs.) 5.9Msz (13 obs.)
QINGHAI PROVINCE, CHINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 5 Dip=65 Slip= 90
NP2: 185 25 90
Principal Axes:
T Plg=70 Azm=275
P 20 95
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 18
Principal Axes:
Scale 10**25 d-cm
T Val= 0.99 Plg=52 Azm=253
N 0.02 11 357
P -1.02 36 95
Best Double Couple:Mo=1.0*10**25
NP1:Strike=230 Dip=13 Slip= 144
NP2: 356 82 79
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 44C
Centroid Location:
Origin Time 09:43: 6.8 0.3
Lat 37.88N 0.03 Lon 101.72E 0.04
Dep 15.0 BDY Half-duration 3.7
Principal Axes:
Scale 10**24 D-CM
T Val= 10.30 Plg=66 Azm=301
N 0.28 20 154
P -10.58 12 59
Best Double Couple:Mo=1.0*10**25
NP1:Strike=125 Dip=37 Slip= 55
NP2: 346 60 113

26 21 52 26.67 15.192S 173.481W 21km
5.6mb (24 obs.) 5.8Msz (14 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centroid Location:
Origin Time 21:52:33.9 0.2
Lat 14.81S 0.03 Lon 173.56W 0.02
Dep 15.0 FIX Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM
T Val= 7.95 Plg=28 Azm=322
N 1.68 58 194
P -9.56 26 67
Best Double Couple:Mo=8.8*10**24
NP1:Strike=105 Dip=58 Slip= 1
NP2: 15 89 148

30 21 28 35.45 45.547N 26.316E 132km
6.4mb (60 obs.) 6.9Msz (10 obs.)
ROMANIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=230 Dip=70 Slip= 69
NP2: 98 29 135
Principal Axes:
T Plg=60 Azm=110
P 22 336
Comment: The focal mechanism is well controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 142 No. of sta: 12
Principal Axes:
Scale 10**26 d-cm
T Val= 5.62 Plg=60 Azm=106
N -0.66 19 232
P -5.56 23 338
Best Double Couple:Mo=5.6*10**26

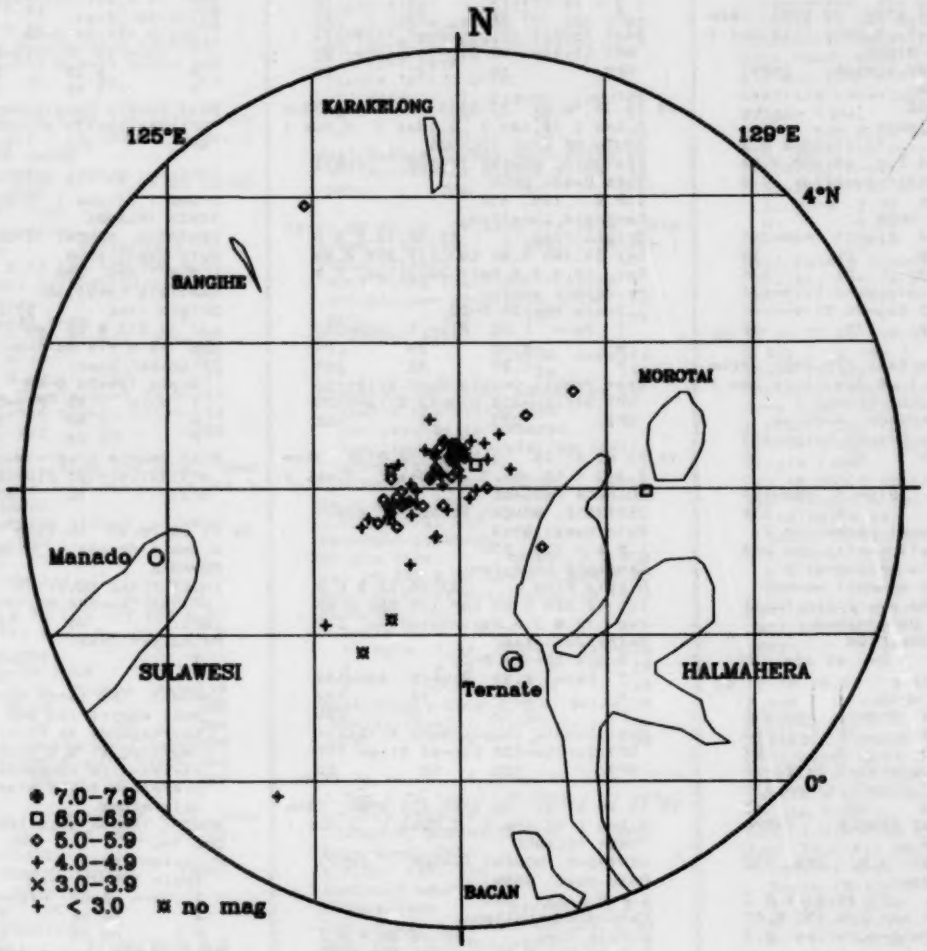
NP1:Strike= 93 Dip=28 Slip= 134
NP2: 225 70 70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 33C M.W.: 15S, 43C
Centroid Location:
Origin Time 21:28:51.0 0.2
Lat 45.76N 0.02 Lon 26.53E 0.03
Dep 132.7 1.1 Half-duration 15.8
Principal Axes:
Scale 10**26 D-CM
T Val= 8.28 Plg=63 Azm=160
N -0.73 6 58
P -7.55 27 324
Best Double Couple:Mo=7.9*10**26
NP1:Strike= 39 Dip=19 Slip= 70
NP2: 248 72 97

31 09 23 04.70 23.042N 144.120E 46km
5.4mb (29 obs.) 5.9Msz (16 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C

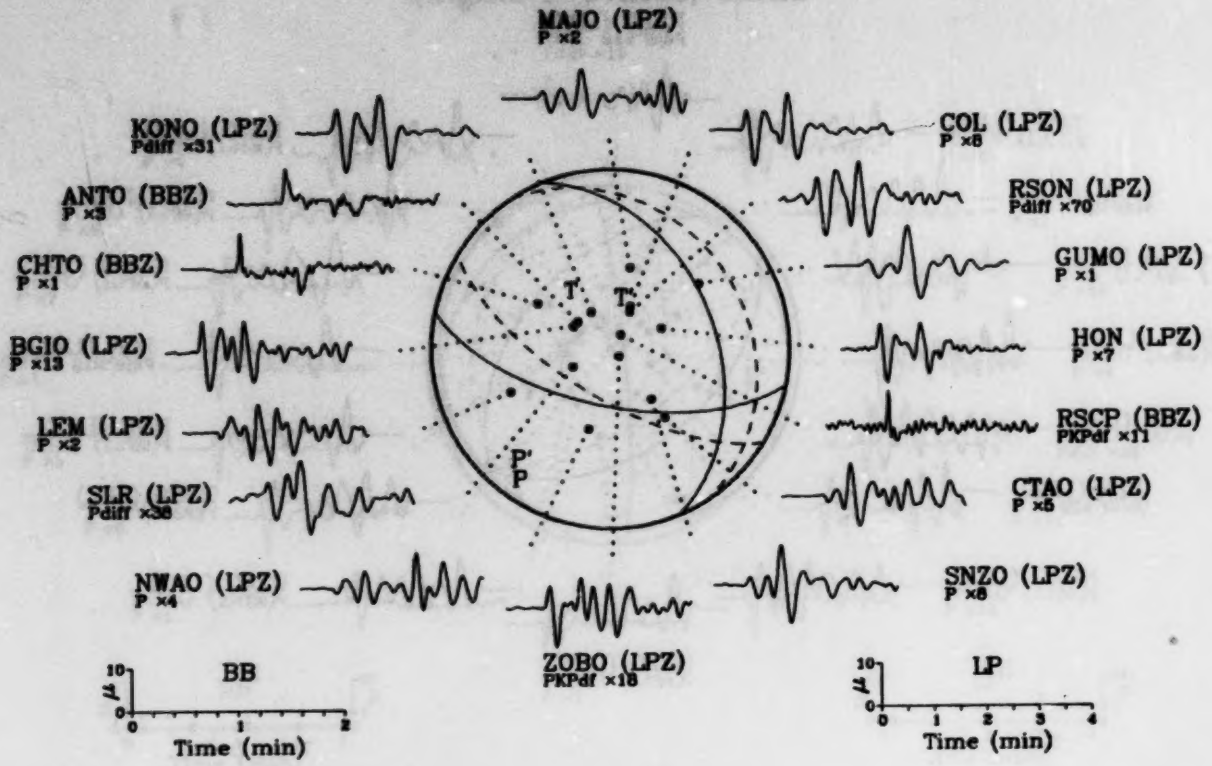
Centroid Location:
Origin Time 09:23: 5.5 0.2
Lat 22.98N 0.04 Lon 144.42E 0.03
Dep 15.0 FIX Half-duration 3.3
Principal Axes:
Scale 10**24 D-CM
T Val= 8.84 Plg=59 Azm=252
N 0.78 3 158
P -9.62 31 68
Best Double Couple:Mo=9.2*10**24
NP1:Strike=147 Dip=15 Slip= 79
NP2: 338 76 93

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

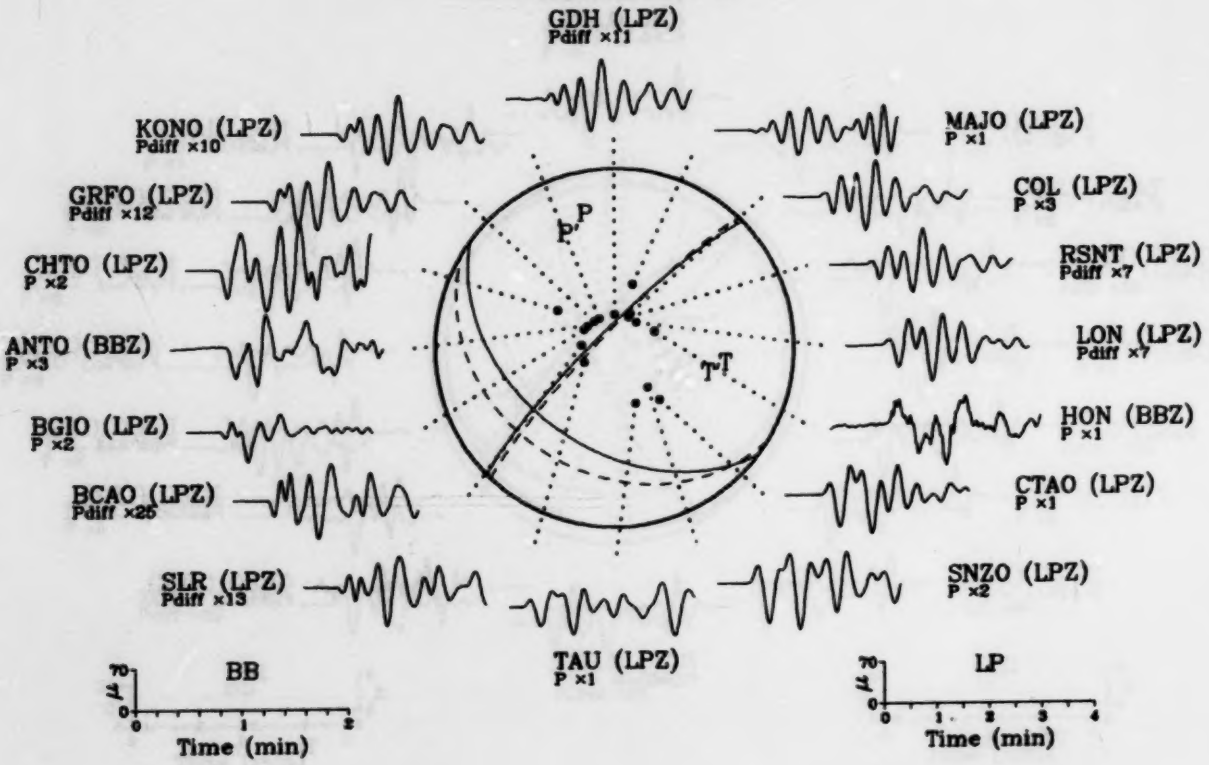
Earthquake Epicenters in the Molucca Passage
August, 1986



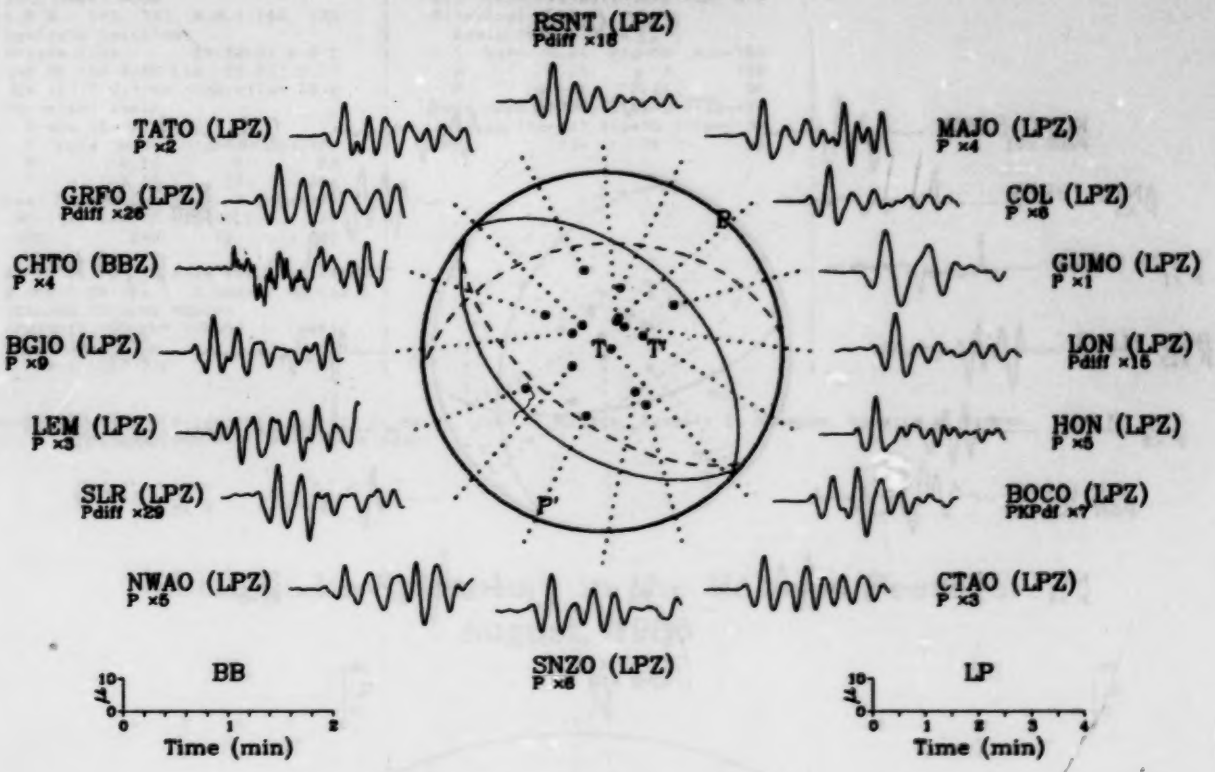
10 August 1986 04:40:49.77
Halmahera



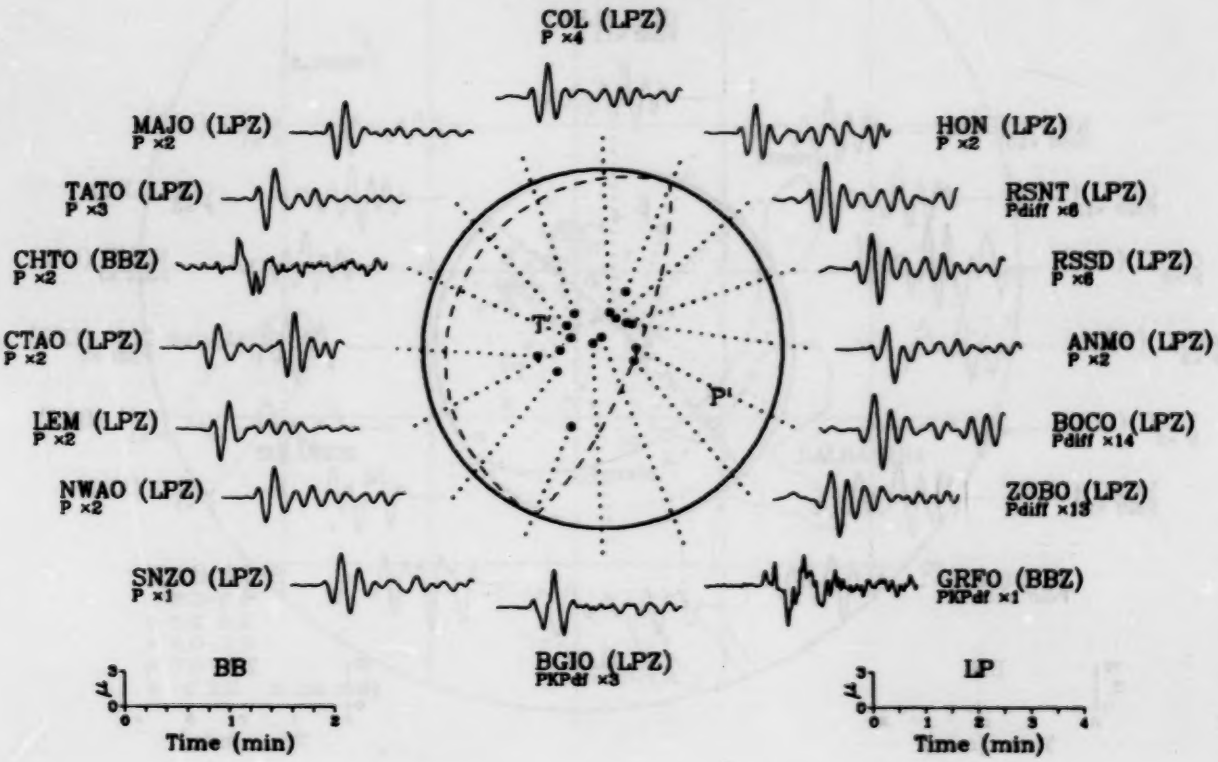
14 August 1986 19:39:13.67
Molucca Passage



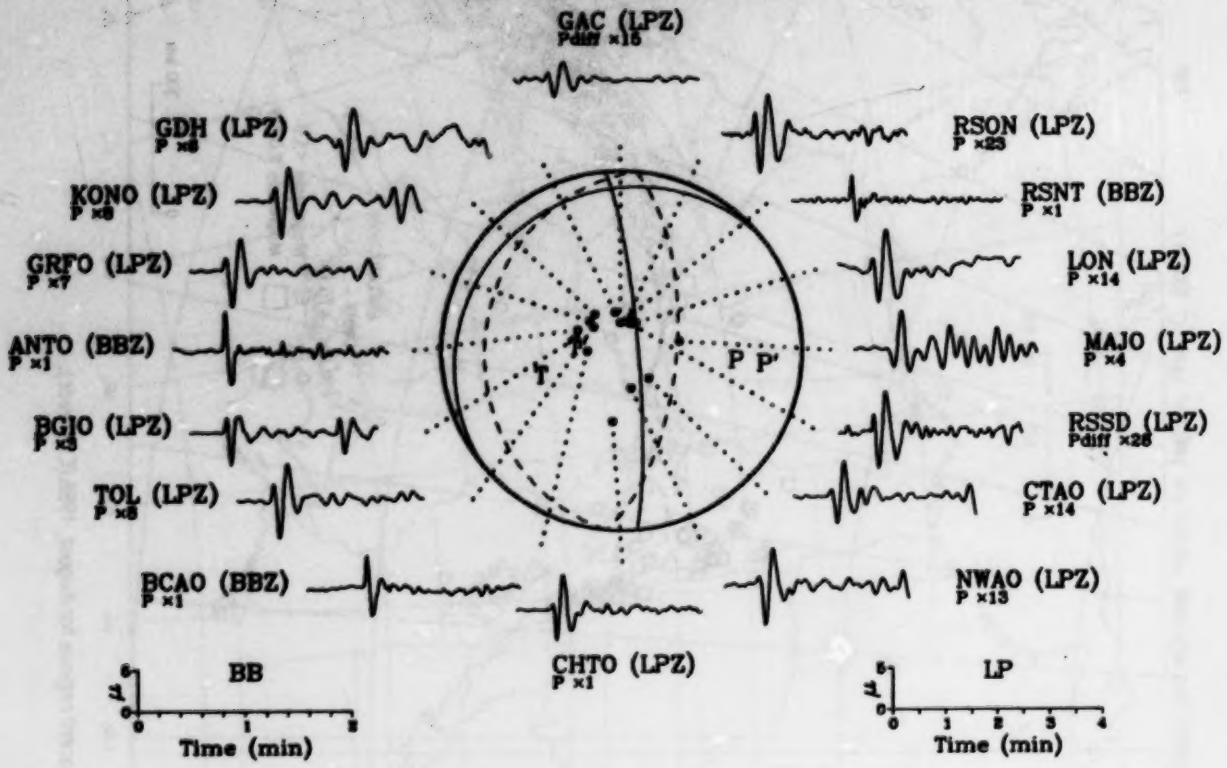
17 August 1986 15:27:41.26
Molucca Passage



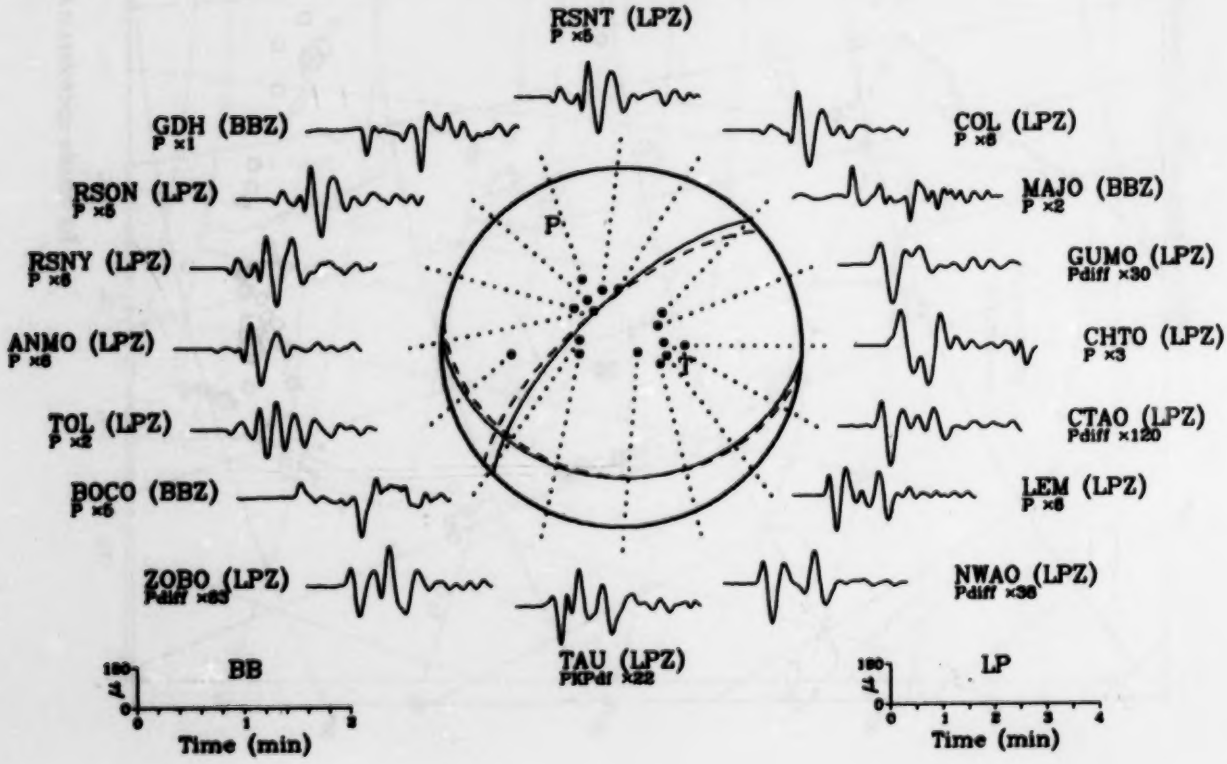
18 August 1986 01:59:54.50
Tonga Islands

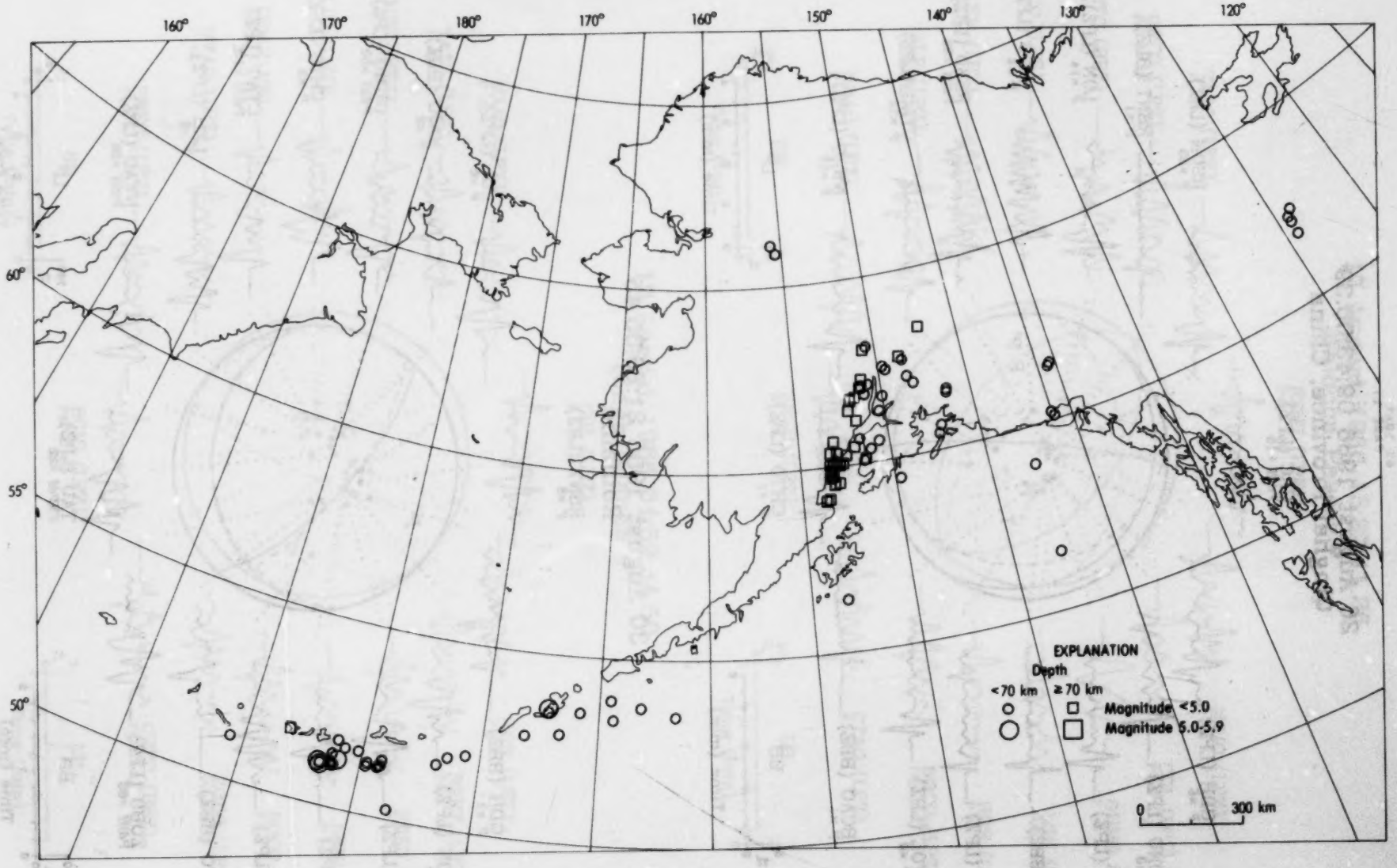


26 August 1986 09:43:00.39
Qinghai Province, China

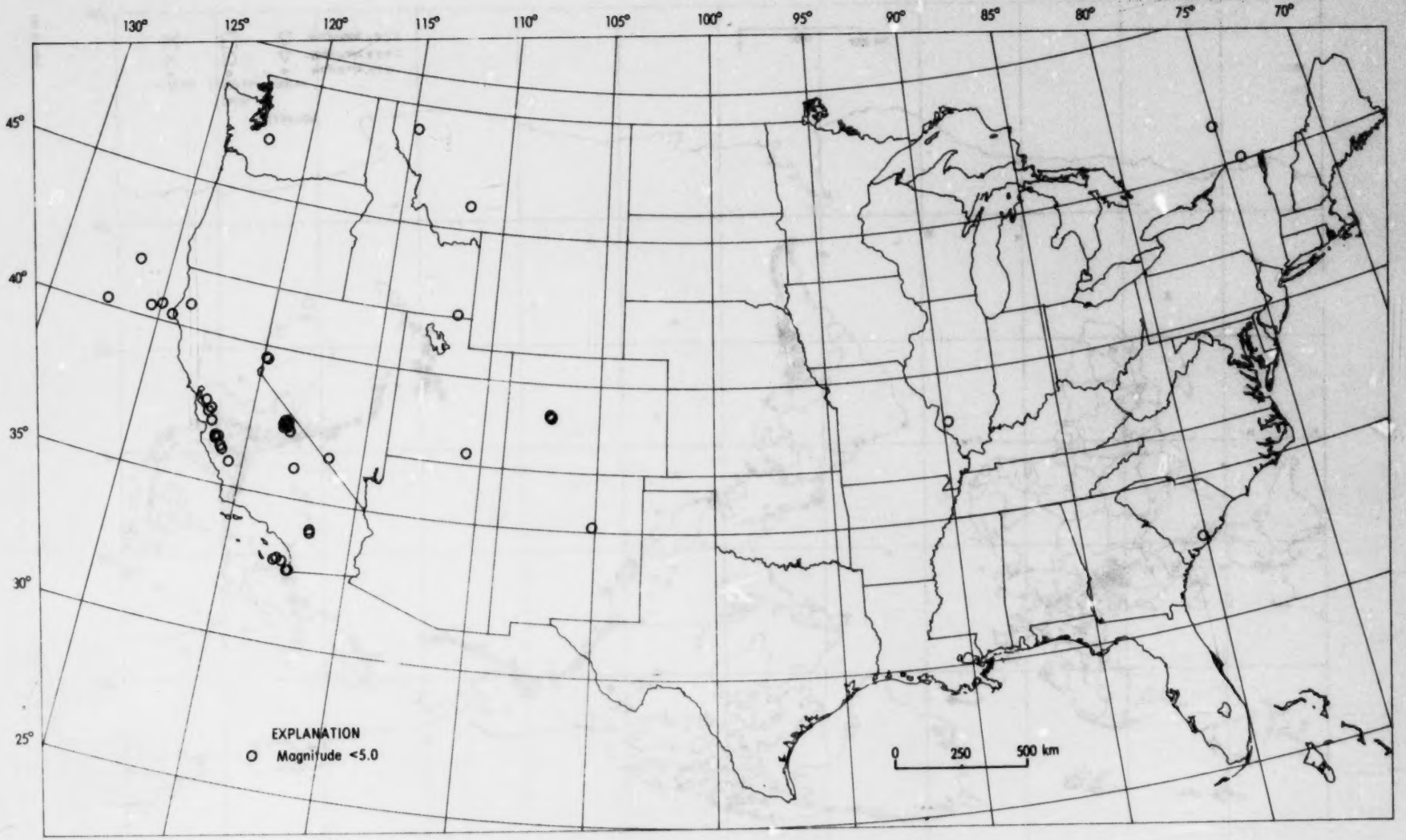


30 August 1986 21:28:35.45
Romania

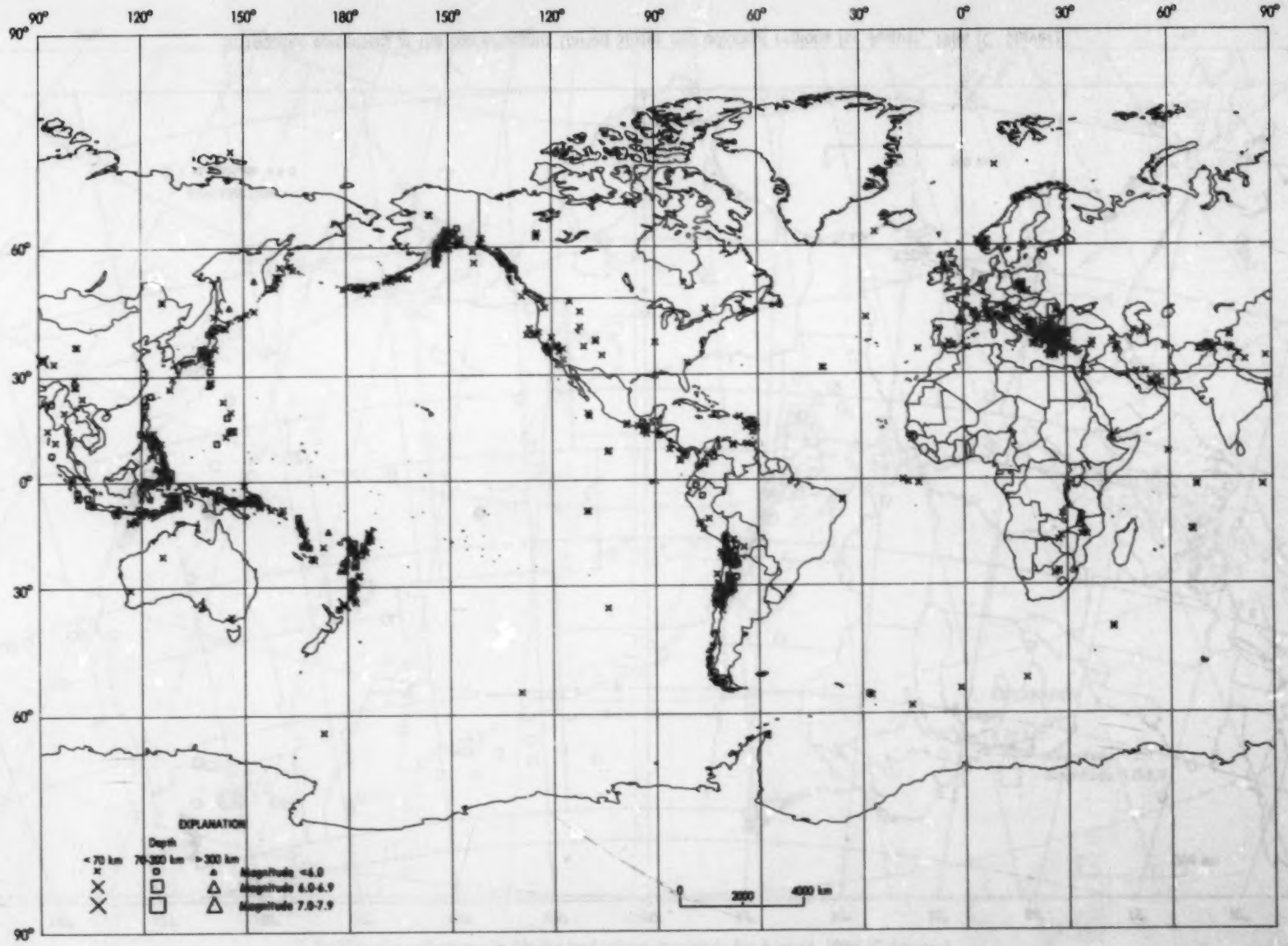




Earthquake epicenters in Alaska and adjacent regions for August, 1986 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for August, 1986 (C. Stover).



Earthquakes located in August, 1986 (C. Stover).

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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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National Earthquake Information Center

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SEPTEMBER 1986

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES OS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	01	03	06.8•	38.548 N	15.765 E	218 •	4.2		1.2	34•	SICILY
	01	03	40	21.5?	20.14 N	98.43 W	10 G			1.3	6	VERA CRUZ, MEXICO
	01	04	16	28.7?	45.09 N	3.17 E	10 G			0.9	7	FRANCE. ML 1.5 (LDG).
	01	04	19	28.9%	45.098 N	3.199 E	10 G			0.7	9	FRANCE. ML 2.4 (LDG).
	01	04	19	42.8•	45.043 N	3.388 E	10 G			0.4	9	FRANCE. ML 2.7 (LDG).
	01	04	49	19.7•	24.378 S	70.303 W	70 •	4.2		1.3	8	NEAR COAST OF NORTHERN CHILE
	01	05	09	51.7%	45.093 N	3.331 E	10 G			0.8	10	FRANCE. ML 2.6 (LDG).
	01	05	23	23.7%	45.158 N	3.294 E	10 G			0.9	10	FRANCE. ML 2.8 (LDG).
	01	05	42	28.7?	45.09 N	3.17 E	10 G			0.8	6	FRANCE. ML 1.8 (LDG).
	01	05	54	35.5•	39.092 N	27.871 E	10 G			0.2	5	TURKEY
	01	06	28	43.8•	15.199 N	61.014 W	120 G			0.3	9	LEEWARD ISLANDS
	01	06	44	47.6%	45.189 N	3.018 E	10 G			1.2	12	FRANCE. ML 2.2 (LDG).
	01	08	26	02.5?	37.81 N	31.44 E	10 G			0.9	5	TURKEY
	01	09	04	24.1	48.295 N	28.002 W	10 G	4.7	4.4	1.0	56	NORTH ATLANTIC RIDGE
	01	09	07	01.8•	45.791 N	26.525 E	82 ?	3.8		0.4	7	ROMANIA
	01	10	32	59.1?	16.81 N	60.93 W	5 G			1.0	6	LEEWARD ISLANDS. ML 2.5 (FDF).
	01	11	52	19.8•	45.049 N	3.380 E	10 G			0.4	10	FRANCE. ML 2.8 (LDG).
	01	13	36	48.4%	60.168 N	5.000 E	10 G			0.3	6	SOUTHERN NORWAY. MD 2.0 (BER).
	01	13	53	47.1	31.560 S	117.081 E	10 G			1.5	8	WESTERN AUSTRALIA
	01	14	46	45.2•	9.617 S	113.065 E	33 N			1.3	5	SOUTH OF JAVA
	01	15	54	23.9?	59.37 N	6.75 E	0 G			0.5	6	SOUTHERN NORWAY. MD 2.1 (BER). Probable explosion.
	01	16	38	10.8%	44.610 N	7.058 E	10 G			0.3	6	NORTHERN ITALY. ML 2.4 (LDG).
	01	17	13	58.1•	39.032 N	27.969 E	5 G			0.4	5	TURKEY
	01	17	19	22.6?	30.24 S	71.46 W	10 G			0.6	8	NEAR COAST OF CENTRAL CHILE. Felt (III) at La Serena.
	01	18	20	03.5%	44.601 N	6.997 E	10 G			0.1	6	FRANCE. ML 2.8 (LDG).
	01	18	46	53.2•	51.670 N	175.167 W	33 N	4.4		0.5	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	01	19	10	47.3	26.452 N	126.458 E	116	4.7		1.1	38	RYUKYU ISLANDS
	01	19	43	01.2&	35.920 N	120.470 W	6 G				11	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	01	19	44	08.5•	16.501 S	172.265 W	33 N	4.6		0.9	19	SAMOA ISLANDS REGION
	01	21	47	35.0	46.631 N	150.010 E	148	5.2		0.9	197	KURIL ISLANDS
	01	22	11	19.5	60.839 N	2.628 E	10 G			1.4	51	NORTH SEA. ML 3.8 (BGS), MD 3.5 (BER).
	01	22	11	41.0•	45.983 N	26.328 E	198 •			1.3	13	ROMANIA
	01	23	11	25.8•	45.882 N	13.380 E	10 G			0.9	5	NORTHERN ITALY. ML 2.7 (KBA), 2.4 (TRI).
	01	23	53	14.6•	2.281 N	126.877 E	33 N	5.0		0.5	13	MOLUCCA PASSAGE
	02	00	11	08.3	43.234 N	26.021 E	5 G			0.9	9	BULGARIA
	02	00	49	48.8&	37.590 N	118.450 W	5 G				28	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).
	02	02	00	49.7	45.547 N	26.422 E	153	4.1		1.1	45	ROMANIA. Additional damage in the Kishinev-Kagul area, USSR.
	02	04	22	53.9%	45.129 N	3.056 E	10 G			0.9	10	FRANCE. ML 2.1 (LDG).
	02	05	48	01.6•	30.342 S	177.782 W	33 N	5.0		1.3	13	KERMADEC ISLANDS
	02	06	09	19.7%	45.114 N	3.307 E	10 G			0.9	11	FRANCE. ML 3.0 (LDG).
	02	08	17	29.4	39.042 N	27.968 E	10 G			0.4	6	TURKEY
	02	09	03	22.9?	45.82 N	26.63 E	140 G			1.2	5	ROMANIA
	02	09	37	09.3	39.069 N	27.789 E	10 G			1.0	8	TURKEY
	02	10	08	07.8%	45.550 N	26.418 E	140 G			0.1	5	ROMANIA
	02	12	03	10.2	39.076 N	27.632 E	10 G			0.4	6	TURKEY
	02	12	09	32.1	39.577 N	28.778 E	10 G			0.7	9	TURKEY
	02	12	45	38.2•	8.317 S	109.442 E	73 ?	4.4		1.4	21	JAVA
	02	12	53	51.3?	59.35 N	6.78 E	10 G			0.9	8	SOUTHERN NORWAY. MD 2.3 (BER).
	02	12	58	59.1•	9.730 S	159.953 E	33 N	4.6		0.8	8	SOLOMON ISLANDS. Felt (I) at Honiara.
	02	13	17	03.7?	58.64 N	6.23 E	10 G			0.7	7	SOUTHERN NORWAY. MD 2.7 (BER).
	02	13	19	59.0&	34.684 N	96.483 W	5 G				6	OKLAHOMA. <TUL>. MD 2.1 (TUL).
	02	13	41	24.5	39.471 N	28.245 E	10 G			1.3	7	TURKEY
	02	13	59	56.8&	41.058 N	123.685 W	5 G				5	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt.
	02	14	17	06.0	46.422 N	4.826 W	10 G			0.8	26	BAY OF BISCAY. ML 3.7 (LDG).
	02	14	47	56.3	49.962 N	5.393 W	10 G			1.1	22	NORTH ATLANTIC OCEAN. ML 3.4 (LDG), 3.1 (HTL). Felt (V) at Constantine, United Kingdom. Also felt at Helston, Falmouth and Lanner, United Kingdom.

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	02	18	27	48.2	48.300	N	83.926	E	33	N	4.6		1.1	55	UZBEK SSR
	02	19	32	22.4?	60.62	N	4.82	E	10	G			0.1	4	SOUTHERN NORWAY. MD 1.6 (BER).
	02	21	34	05.0?	10.97	S	165.29	E	33	N	4.2		0.7	9	SANTA CRUZ ISLANDS
	02	22	54	41.8?	44.99	N	3.40	E	10	G			1.6	5	FRANCE. ML 1.5 (LDG).
	02	23	21	47.6?	45.88	N	26.76	E	33	N			0.5	5	ROMANIA
	03	01	16	03.9?	5.38	S	35.97	W	5	G			0.7	7	BRAZIL
	03	01	20	05.5	39.086	N	27.810	E	10	G			1.2	12	TURKEY
	03	01	30	26.3	2.963	S	139.844	E	33	N	5.0		1.3	27	NEAR N. COAST OF WEST IRIAN
	03	01	54	26.3	49.990	N	6.027	E	10	G			1.3	12	GERMANY. ML 2.9 (LDG).
	03	02	37	53.3%	45.072	N	3.189	E	10	G			1.2	9	FRANCE. ML 2.0 (LDG).
	03	03	20	24.6?	34.66	S	70.68	W	10	G			0.8	7	CHILE-ARGENTINA BORDER REGION
	03	04	31	14.8&	37.295	N	121.667	W	10					23	CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK). Felt (V) at Soquel, (IV) at Cambrian Park, Fremont, Loma Mar, Mount Hamilton, Mount Hermon, New Almaden and Redwood Estates. Felt (III) at Aptos, Coyote, Freedom, Felton, Gilroy, Morgan Hill and San Jose.
	03	06	11	11.3•	44.010	N	114.792	W	5	G			0.9	10	WESTERN IDAHO. ML 3.2 (NEIS).
	03	06	20	50.9	38.912	N	107.090	W	5	G			0.3	14	COLORADO. ML 3.5 (NEIS). Felt (V) at Aspen and Crested Butte. Felt (III) at Gunnison.
	03	07	22	10.6	50.514	N	18.975	E	23	•			1.4	10	POLAND. ML 3.9 (KBA), 3.6 (KRA), 3.4 (VKA).
	03	09	28	18.2	41.590	N	43.468	E	10	G	4.7	3.7	1.3	102	TURKEY-USSR BORDER REGION. Felt (V) at Bogdanovka; (IV) at Bakuriani and Leninakan; (III) at Tbilisi, USSR.
	03	10	41	38.8?	52.53	N	168.32	W	33	N	4.7		1.4	8	FOX ISLANDS, ALEUTIAN ISLANDS
	03	10	42	02.6%	44.023	N	10.641	E	10	G			0.2	6	NORTHERN ITALY. ML 2.5 (LDG).
	03	10	46	39.1•	39.663	N	20.359	E	77	•	3.5		1.2	29	GREECE-ALBANIA BORDER REGION
	03	10	59	36.7?	51.25	N	16.05	E	10	G			0.7	5	POLAND. MG 2.8 (KRA).
	03	11	51	05.0	51.352	N	178.288	W	33	N	5.0		1.0	79	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR). Felt (III) on Adak.
	03	12	42	44.2•	11.317	S	165.083	E	33	N	4.6		0.9	9	SANTA CRUZ ISLANDS
	03	12	59	56.4	39.008	N	27.961	E	10	G			0.2	7	TURKEY
	03	13	31	25.7?	53.96	S	134.20	W	10	G	5.0		1.2	13	SOUTH PACIFIC CORDILLERA
	03	13	50	41.7	41.651	N	19.274	E	8				0.8	30	ALBANIA. MD 3.4 (TTG).
	03	14	00	21.4	41.652	N	19.299	E	10	G			1.1	26	ALBANIA. MD 3.4 (TTG).
	03	14	16	44.8•	50.437	N	6.162	E	10	G			0.5	5	GERMANY
	03	15	37	19.2•	23.370	N	143.669	E	33	N	4.4		0.6	18	VOLCANO ISLANDS REGION
	03	16	26	36.6	46.819	N	9.996	E	10	G			1.1	10	SWITZERLAND
	03	17	21	51.5•	53.468	N	167.138	W	33	N	4.5		1.4	17	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
	03	18	07	32.4•	23.379	N	143.650	E	33	N	4.6		1.2	19	VOLCANO ISLANDS REGION
	03	18	42	53.5	40.203	N	24.950	E	19				1.1	29	AEGEAN SEA. ML 3.6 (ATH).
	03	18	53	49.1	44.039	N	114.764	W	5	G			0.8	16	WESTERN IDAHO. ML 3.9 (NEIS). Felt (III) at Clayton.
	03	19	05	28.8•	51.921	N	17.535	E	10	G			0.9	10	POLAND. ML 3.3 (VKA), 3.2 (KBA).
	03	20	14	53.7•	31.441	S	177.696	W	33	N	5.0		1.4	11	KERMADEC ISLANDS REGION
	03	21	53	07.8•	7.094	S	120.173	E	424	?	4.9		0.7	7	FLORES SEA
	03	23	37	42.6?	17.34	N	94.27	W	33	N			0.7	4	CHIAPAS, MEXICO
	03	23	54	18.7•	50.249	N	18.925	E	10	G			0.7	5	POLAND. ML 3.0 (KRA).
	03	23	58	58.8•	1.798	S	77.735	W	167	?	4.4		0.5	12	ECUADOR
	04	01	29	00.0	39.080	N	27.889	E	10	G			1.3	9	TURKEY
	04	01	52	58.1?	2.46	N	127.16	E	33	N			1.2	5	MOLUCCA PASSAGE
	04	02	01	11.6•	4.334	S	139.734	E	33	N			0.6	5	WEST IRIAN
	04	02	43	13.7•	43.865	N	147.509	E	33	N	4.5		1.2	15	KURIL ISLANDS
	04	03	32	25.9?	16.51	N	94.77	W	131	?			1.4	14	OAXACA, MEXICO
	04	04	15	55.8•	43.993	N	114.803	W	5	G			1.0	8	WESTERN IDAHO. ML 3.4 (NEIS).
	04	04	23	47.9•	22.334	S	171.622	E	33	N	4.9		1.2	16	LOYALTY ISLANDS REGION
	04	04	38	20.0	44.066	N	114.745	W	5	G			1.0	17	WESTERN IDAHO. ML 4.0 (NEIS).
	04	05	00	00.4?	4.68	S	152.73	E	10	G			1.0	5	NEW BRITAIN REGION
	04	07	06	54.8?	39.89	N	28.89	E	31	?			1.2	5	TURKEY
	04	09	09	01.4	39.032	N	27.962	E	10	G			0.6	7	TURKEY
	04	11	00	07.6?	51.78	N	173.28	W	33	N			1.1	7	ANDREANOF 'SLANDS, ALEUTIAN IS.
	04	11	25	01.9%	39.017	N	27.998	E	10	G			0.2	6	TURKEY
	04	12	43	47.6	44.036	N	114.719	W	5	G			1.0	9	WESTERN IDAHO. ML 3.3 (NEIS).
	04	12	48	17.5%	60.294	N	5.406	E	10	G			0.4	6	SOUTHERN NORWAY. MD 1.6 (BER).
	04	13	16	56.6%	44.423	N	6.768	E	10	G			1.1	6	FRANCE. ML 2.6 (LDG).
	04	14	07	24.9?	33.61	S	72.26	W	10	G			0.6	8	OFF COAST OF CENTRAL CHILE
	04	15	07	09.4%	45.174	N	5.623	E	10	G			0.7	11	FRANCE. ML 2.7 (LDG).
	04	16	09	00.1	37.236	N	116.352	W	5	G			0.4	37	SOUTHERN NEVADA. ML 3.5 (NEIS).
	04	16	15	11.2?	7.26	S	127.08	E	317	?	4.3		0.9	10	BANDA SEA
	04	17	29	14.0•	36.421	N	138.321	E	10	G			1.3	6	HONSHU, JAPAN. Felt (1 JMA) at Nagano.
	04	17	33	17.4&	34.477	N	96.503	W	5	G				7	OKLAHOMA. <TUL>. mbLg 2.6 (TUL).
	04	18	22	14.6?	16.54	S	177.08	E	33	N	4.4	•	1.4	7	FIJI ISLANDS
	04	18	30	54.0%	44.296	N	7.182	E	10	G			0.1	5	NORTHERN ITALY. ML 2.9 (LDG).
	04	18	46	14.9•	11.731	S	34.833	E	10	G	4.4		1.2	10	MALAWI
	04	18	53	16.6	41.701	N	19.393	E	10	G			1.0	11	ALBANIA. MD 2.9 (TTG).
	04	19	13	26.5•	21.181	S	71.252	W	105	?			1.0	7	OFF COAST OF NORTHERN CHILE
	04	20	08	16.7&	59.726	N	154.022	W	154					25	SOUTHERN ALASKA. <AGS-P>.
	04	20	50	50.4•	46.339	N	12.448	E	10	G			1.5	7	NORTHERN ITALY. ML 2.5 (KBA).
	04	21	54	01.0&	61.476	N	151.430	W	79					36	SOUTHERN ALASKA. <AGS-P>.
	04	22	36	47.3•	43.578	N	146.783	E	66	•	4.5		1.0	25	KURIL ISLANDS. Felt (I JMA) at Nemuro, Hokkaido.
	04	22	51	17.6	55.166	N	162.556	E	62	•	4.7		0.9	66	NEAR EAST COAST OF KAMCHATKA
	04	23	01	50.0	20.032	S	178.432	W	610		4.9		0.9	57	FIJI ISLANDS REGION
	04	23	31	28.6•	16.676	N	98.020	W	53	•	4.6		1.0	28	NEAR COAST OF GUERRERO, MEXICO. Felt slightly at Mexico City.
	04	23	38	51.4?	37.12	N	21.39	E	33	N			1.5	5	SOUTHERN GREECE. ML 3.3 (ATH).
	04	23	48	10.1%	39.314	N	27.953	E	10	G			0.2	5	TURKEY
	05	02	02	15.2%	45.955	N	26.794	E	33	N			0.8	5	ROMANIA
a	05	02	47	17.7	59.493	S	29.529	W	28	D	5.8	5.9	1.1	84	SOUTH SANDWICH ISLANDS REGION
	05	03	11	10.9	20.864	S	175.699	W	62	D	5.1		0.9	49	TONGA ISLANDS
	05	03	43	15.6•	7.375	N	126.922	E	69	•	5.0		1.1	24	MINDANAO, PHILIPPINE ISLANDS
	05	05	36	47.6	50.540	N	19.088	E	10	G			1.5	9	POLAND. ML 3.5 (KBA), 3.1 (VKA).
	05	05	48	01.7	62.994	N	148.484	W	102	?			0.4	9	CENTRAL ALASKA
	05	05	50	14.9•	17.820	S	178.865	W	655	?	4.5		0.5	16	FIJI ISLANDS REGION
a	05	06	06	15.5	37.073	S	71.814	W	93		5.6		1.0	133	S. CHILE-ARGENTINA BORDER REGION. Felt (IV) in the Chillan area, Chile. Felt from Concepcion to Valdivia, Chile.

	05	07 23 39.9•	19.816 N	121.184 E	79 •	4.4		0.6	9	PHILIPPINE ISLANDS REGION
	05	07 31 19.47	43.47 N	17.85 E	10 G			1.4	5	YUGOSLAVIA. ML 2.9 (TTG).
	05	08 34 25.6•	29.147 N	85.142 E	33 N	4.1		1.4	12	TIBET
	05	10 32 22.3	0.187 S	17.932 W	10 G	4.8	4.8	0.9	59	NORTH OF ASCENSION ISLAND
	05	12 16 49.1•	22.598 S	66.964 W	118 ?	4.2		1.1	11	JUJUY PROVINCE, ARGENTINA
	05	13 28 43.87	32.81 N	26.84 E	10 G			0.3	5	EASTERN MEDITERRANEAN SEA
	05	14 22 09.1	28.124 N	111.396 W	10 G	5.0		1.2	65	GULF OF CALIFORNIA
	05	15 34 30.97	44.92 N	3.47 E	10 G			1.4	10	FRANCE. ML 2.5 (LDG).
	05	15 42 26.0&	60.000 N	152.286 W	72				43	SOUTHERN ALASKA. <AGS-P>.
	05	15 55 55.7&	60.724 N	5.572 E	10 G			0.6	5	SOUTHERN NORWAY. MD 2.0 (BER).
	05	16 14 35.7	25.873 N	96.343 E	33 N	4.1		1.2	17	BURMA
	05	17 06 54.3•	32.858 S	71.586 W	10 G			0.4	7	NEAR COAST OF CENTRAL CHILE
	05	18 13 41.4&	38.828 N	122.802 W	2 G				11	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	05	18 55 50.87	18.36 N	100.09 W	33 N			1.1	9	GUERRERO, MEXICO
	05	19 03 41.0	8.327 S	130.996 E	33 N	4.7		1.2	29	TANIMBAR ISLANDS REGION
	05	19 20 51.0	44.988 N	114.752 W	5 G			0.6	9	WESTERN IDAHO. ML 4.0 (NEIS).
	05	19 23 48.6•	43.979 N	114.744 W	5 G			0.9	6	WESTERN IDAHO. ML 3.4 (NEIS).
	05	19 53 24.3	36.852 N	31.718 E	75	4.3		1.1	111	TURKEY. Felt at Antalya, Turkey and Nicosia, Cyprus.
	05	21 08 24.7	1.884 N	126.778 E	73 •	4.8		1.1	32	MOLUCCA PASSAGE
	05	21 14 29.37	23.01 S	68.73 W	199 ?	3.9		0.8	8	NORTHERN CHILE
	05	21 49 07.4	15.812 N	59.637 W	33 N	4.1		0.8	20	LEEWARD ISLANDS. ML 3.9 (PAG).
	05	22 40 26.0	6.979 N	94.501 E	33 N	4.9		1.2	28	NICOBAR ISLANDS REGION
a	06	00 11 05.5	15.775 S	177.935 W	439	5.0		0.9	188	FIJI ISLANDS REGION
	06	01 35 37.6•	37.072 N	29.328 E	10 G			1.1	5	TURKEY
	06	02 24 05.9	15.026 S	177.653 W	383	4.8		0.9	97	FIJI ISLANDS REGION
	06	02 26 08.2•	38.154 N	20.710 E	10 G			1.2	5	GREECE
	06	04 04 35.7	1.517 N	127.375 E	139 •	4.8		0.9	34	HALMAHERA
	06	04 14 57.4•	41.723 N	19.454 E	10 G			1.0	7	ALBANIA. ML 2.9 (TTG).
	06	04 59 22.2	50.128 N	17.230 E	11			0.7	10	POLAND. ML 3.7 (VKA), 3.4 (KBA).
a	06	08 52 25.5	23.288 S	176.745 W	122	5.6		1.0	208	SOUTH OF FIJI ISLANDS
	06	11 13 03.0	46.930 N	1.884 W	15			0.7	21	FRANCE. ML 3.6 (LDG).
	06	11 38 11.9&	60.708 N	152.120 W	79				38	SOUTHERN ALASKA. <AGS-P>.
	06	11 47 44.6•	43.129 N	17.259 E	10 G			0.8	8	YUGOSLAVIA. ML 3.0 (KBA), 2.9 (TTG).
	06	14 40 03.9•	11.853 N	143.164 E	33 N	4.3		0.3	6	SOUTH OF MARIANA ISLANDS
	06	14 46 44.7&	48.748 N	125.254 W	24				11	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.7 (PGC).
	06	15 31 01.8	36.487 N	71.330 E	84	5.0		1.1	128	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog, Ishkashim and in the Moskovskiy region, USSR.
	06	15 34 54.8	36.371 N	138.350 E	10 G	4.3		1.1	10	HONSHU, JAPAN. Felt (I JMA) at Nagano.
	06	16 46 43.2?	3.09 S	101.41 E	149 ?	4.9		1.4	10	SOUTHERN SUMATERA
	06	17 55 20.0•	44.020 N	114.788 W	5 G			0.9	8	WESTERN IDAHO. ML 3.5 (NEIS).
	06	20 03 01.7?	48.36 N	1.18 W	10 G			1.7	5	FRANCE. ML 2.3 (LDG).
a	06	20 04 23.7	20.669 S	178.457 W	587 D	5.5		0.9	211	FIJI ISLANDS REGION
	06	20 20 02.7	51.685 N	16.234 E	10 G			0.8	22	POLAND. ML 4.2 (VKA), 4.1 (GRF), 4.1 (KBA).
	06	21 13 19.1	38.898 N	107.988 W	5 G			0.4	10	COLORADO. ML 2.2 (NEIS).
	06	21 16 43.5%	42.943 N	18.862 E	10 G			0.8	5	YUGOSLAVIA. ML 2.2 (TTG).
	06	22 54 54.2•	30.420 N	41.979 W	10 G	4.3		0.8	19	NORTH ATLANTIC RIDGE
	06	23 05 07.3%	39.035 N	28.035 E	10 G			0.6	5	TURKEY
	06	23 06 44.1	5.346 N	126.887 E	109	5.3		1.2	69	MINDANAO, PHILIPPINE ISLANDS
	07	00 08 37.5	6.773 N	72.996 W	168	4.2		0.6	19	NORTHERN COLOMBIA
	07	00 22 32.5&	60.244 N	143.445 W	10				41	SOUTHERN ALASKA. <AGS-P>. ML 3.8 (PWR).
a	07	01 44 19.9	12.824 S	169.518 E	665	4.9		0.8	119	SANTA CRUZ ISLANDS REGION
	07	02 13 49.1	23.041 S	177.086 W	190	5.4		1.2	186	SOUTH OF FIJI ISLANDS
	07	04 03 15.0•	18.757 S	177.893 W	563	4.5		0.6	26	FIJI ISLANDS REGION
	07	04 45 23.1•	45.592 N	26.265 E	123 ?	3.5		1.4	12	ROMANIA
	07	04 58 29.3&	32.580 N	115.060 W	6 G				2	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	07	05 47 38.5?	33.44 S	72.00 W	33 N			1.1	9	NEAR COAST OF CENTRAL CHILE
	07	05 50 26.0&	32.380 N	115.160 W	6 G				5	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.5 (PAS).
	07	06 28 46.2	27.943 S	66.586 W	180 •	4.9		1.2	34	CATAMARCA PROVINCE, ARGENTINA
	07	07 53 39.4•	8.055 S	97.627 W	10 G	4.8	3.9	1.0	44	SOUTHWEST OF GALAPAGOS ISLANDS
	07	08 09 36.5	38.379 N	25.184 E	10 G			0.8	8	AEGEAN SEA. ML 3.3 (ATH).
	07	09 24 45.9	53.749 N	2.816 E	10 G			0.7	27	NORTH SEA. ML 3.6 (LDG), 3.3 (BGS). mbLg 3.2 (DOU).
	07	09 29 57.0&	60.027 N	152.696 W	89				35	SOUTHERN ALASKA. <AGS-P>.
	07	10 47 53.8	43.206 N	26.023 E	10 G			0.9	13	BULGARIA
	07	10 54 02.2	43.192 N	26.085 E	10 G			1.1	10	BULGARIA
	07	11 43 25.8•	3.324 N	127.588 E	33 N	4.3		1.0	14	TALAUD ISLANDS
	07	13 25 20.0•	7.058 S	154.796 E	45 •	4.9		1.3	13	SOLOMON ISLANDS
	07	17 12 38.5?	32.33 S	70.18 W	33 N			1.5	8	CHILE-ARGENTINA BORDER REGION
	07	18 15 45.9?	18.13 S	178.44 W	625 •	5.0		1.0	19	FIJI ISLANDS REGION
	07	18 34 08.1•	2.428 S	77.659 W	33 N	4.8		0.8	7	PERU-ECUADOR BORDER REGION
a	07	20 11 08.8	59.542 S	26.098 W	33 N	5.4	5.8	1.0	59	SOUTH SANDWICH ISLANDS REGION
	07	21 51 54.2	18.567 S	69.644 W	119	4.7		1.3	32	NORTHERN CHILE
	07	22 10 35.5•	2.134 N	127.813 E	33 N			0.5	7	MOLUCCA PASSAGE
	07	22 20 35.3•	19.735 S	167.698 E	33 N	4.6		1.3	6	VANUATU ISLANDS REGION
	07	23 57 04.6•	9.640 S	112.198 E	81 ?	4.6		0.8	9	SOUTH OF JAVA
	08	00 36 15.8	12.782 S	169.468 E	641 D	4.9		1.0	87	SANTA CRUZ ISLANDS REGION
	08	00 58 21.0	48.234 N	154.253 E	54 D	4.7		0.7	58	KURIL ISLANDS
a	08	02 39 52.4	4.417 N	96.378 E	40	5.2	5.1	1.2	132	NORTHERN SUMATERA
	08	03 37 41.1&	40.342 N	124.262 W	5 G				8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	08	03 46 05.5•	4.429 N	96.488 E	33 N			1.6	5	NORTHERN SUMATERA
	08	05 10 48.1•	28.665 N	129.869 E	33 N			0.6	6	RYUKYU ISLANDS. Felt (I JMA) at Naze.
	08	06 03 29.9	6.835 N	73.132 W	161	4.6		1.1	24	NORTHERN COLOMBIA
	08	06 38 40.5•	8.215 N	93.981 E	74 ?	4.4		1.5	14	NICOBAR ISLANDS REGION
	08	07 03 15.4	25.336 N	66.688 E	33 N	4.6	3.8	1.2	37	PAKISTAN
	08	09 37 58.7?	4.62 N	96.45 E	33 N			0.9	5	NORTHERN SUMATERA
	08	11 07 29.7&	32.940 N	117.770 W	10				6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	08	11 51 25.0•	6.425 S	108.380 E	285 •	4.6		1.0	22	JAVA
	08	12 39 28.7•	45.613 N	26.489 E	165 ?			0.6	12	ROMANIA
	08	13 03 36.7?	17.84 N	95.46 W	33 N			1.1	8	OAXACA, MEXICO
	08	16 22 44.8&	36.840 N	121.390 W	5				14	CENTRAL CALIFORNIA. <BRK>. ML 2.0 (BRK). Felt at Hollister.
	08	16 43 52.2	0.553 N	122.101 E	120 •	4.9		0.6	14	MINAHASSA PENINSULA
	08	16 55 42.6	6.355 S	154.652 E	48 •	4.4		0.9	19	SOLOMON ISLANDS
	08	17 19 43.9•	45.497 N	26.344 E	140 G			0.6	6	ROMANIA

	08	17	35	39.6•	4.710	S	130.510	E	33	N		1.4	9	BANDA SEA
	08	18	02	02.2?	32.38	S	71.75	W	10	G		0.5	8	NEAR COAST OF CENTRAL CHILE
	08	21	23	27.9•	21.905	S	68.712	W	145	?	4.1	1.5	11	CHILE-BOLIVIA BORDER REGION
	08	22	21	14.7•	39.522	N	15.563	E	266	•	4.1	1.3	42	SOUTHERN ITALY
	08	23	35	29.5•	55.891	S	27.115	W	23	D	5.0	0.7	17	SOUTH SANDWICH ISLANDS REGION
	09	00	03	43.8•	13.846	N	92.076	W	58	•	4.5 3.3	1.5	20	OFF COAST OF CHIAPAS, MEXICO
	09	00	15	34.9?	14.67	N	60.94	W	125	G		0.5	10	WINDWARD ISLANDS
	09	00	18	13.8•	6.672	N	77.486	W	10	G	3.8	1.5	8	NEAR WEST COAST OF COLOMBIA
	09	00	23	55.9•	6.680	N	77.586	W	10	G		1.2	8	NEAR WEST COAST OF COLOMBIA
	09	00	29	15.6•	34.914	S	179.063	E	33	N	5.2 5.0	0.9	8	SOUTH OF KERMADEC ISLANDS
	09	00	30	49.5	45.180	N	114.759	E	10	G	4.5 4.1	1.0	25	MONGOLIA
	09	03	19	48.9	23.125	S	66.507	W	209		5.0	1.1	82	JUJUY PROVINCE, ARGENTINA
	09	03	49	12.0?	45.82	N	26.26	E	173	?		1.3	16	ROMANIA
	09	04	37	58.4•	4.639	S	11.426	W	10	G	4.6 4.4	1.0	41	NORTH OF ASCENSION ISLAND
	09	07	33	01.4	28.429	N	138.554	E	535		4.8	0.7	56	BONIN ISLANDS REGION
	09	08	50	22.8&	31.700	N	115.940	W	6	G			3	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	09	08	53	52.0•	36.135	N	71.420	E	141	?	4.6	1.5	8	AFGHANISTAN-USSR BORDER REGION
	09	10	26	33.0•	50.946	S	28.942	E	10	G	4.7	0.7	10	SOUTH OF AFRICA
	09	10	28	53.5?	17.32	N	99.78	W	10	G		1.4	6	GUERRERO, MEXICO
	09	13	29	39.2	37.452	N	118.438	W	5	G		0.6	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (NEIS).
	09	14	10	42.9•	12.083	S	166.068	E	33	N		0.7	8	SANTA CRUZ ISLANDS
	09	14	17	43.4?	39.56	N	72.89	E	33	N	4.3	1.4	5	KIRGHIZ SSR
	09	14	29	03.4?	34.01	S	72.34	W	10	G		0.6	7	NEAR COAST OF CENTRAL CHILE
	09	14	37	20.3	42.539	N	19.746	E	10	G		0.5	7	YUGOSLAVIA. ML 2.3 (TTG).
	09	14	42	44.4	1.095	N	127.865	E	33	N	4.6	1.1	35	HALMAHERA
	09	15	16	34.2	62.635	N	151.145	W	110	•		0.8	31	CENTRAL ALASKA
a	09	15	58	22.5	0.927	N	127.944	E	33	N	5.5 5.3	1.2	104	HALMAHERA
	09	16	22	50.6&	33.970	N	116.570	W	6				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (IV) at Cabazon, Desert Hot Springs, North Palm Springs, Morongo Valley and Mountain Center. Felt (III) at Palm Springs, Joshua Tree and La Quinta.
	09	16	22	51.9	31.621	N	85.026	E	33	N	4.8	1.1	42	TIBET
	09	16	24	26.6	31.546	N	85.067	E	33	N	5.2 4.9	1.1	91	TIBET
	09	16	40	13.2	31.587	N	85.040	E	33	N	4.8	1.3	28	TIBET
	09	17	22	34.5•	45.322	N	146.098	E	176	?	4.5	1.0	36	KURIL ISLANDS
	09	17	55	57.4•	59.320	N	6.790	E	10	G		1.4	7	SOUTHERN NORWAY. MD 2.3 (BER).
	09	23	24	04.9	21.857	S	68.784	W	106	•	4.7	1.1	19	CHILE-BOLIVIA BORDER REGION
	10	01	47	30.2	19.138	S	174.789	W	165	•	5.0	1.1	43	TONGA ISLANDS
	10	02	35	54.9•	46.471	N	12.326	E	10	G		0.4	6	NORTHERN ITALY. ML 2.3 (KBA).
	10	05	05	07.6%	33.625	S	70.908	W	33	N		0.7	7	CHILE-ARGENTINA BORDER REGION
	10	05	06	59.0?	37.70	N	19.98	E	10	G	4.1	1.0	12	IONIAN SEA. ML 4.0 (ATH).
	10	05	44	04.4•	21.650	S	68.936	W	185	?		1.5	8	CHILE-BOLIVIA BORDER REGION
	10	06	09	50.1?	18.75	S	173.94	W	33	N	4.7	1.4	15	TONGA ISLANDS
	10	06	47	45.8	37.992	N	39.123	E	10	G	4.1	1.4	17	TURKEY
	10	07	50	25.5	25.385	N	92.077	E	43	D	5.2 4.5	1.0	109	INDIA-BANGLADESH BORDER REGION. Felt strongly in Assam and Meghalaya, India.
	10	09	24	45.3	44.593	N	11.313	E	10	G		1.0	17	NORTHERN ITALY. ML 3.4 (KBA), 3.2 (LDG).
	10	10	54	42.0•	16.062	S	172.888	W	33	N	4.8	1.2	25	SAMOA ISLANDS REGION
	10	13	46	15.3?	36.89	N	76.81	E	33	N	4.8	1.1	8	KASHMIR-XINJIANG BORDER REGION
	10	13	46	46.1	2.811	S	101.279	E	84	•	5.3	1.1	69	SOUTHERN SUMATERA
	10	14	35	39.3•	11.248	S	166.101	E	153	•	5.1	1.1	25	SANTA CRUZ ISLANDS
	10	15	11	48.7?	25.20	N	141.18	E	33	N	4.6	1.5	8	VOLCANO ISLANDS REGION
	10	15	49	24.3%	39.552	N	27.951	E	10	G		0.2	5	TURKEY
	10	15	51	52.3&	33.96[illegible]	N	116.670	W	9				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt in the Palm Springs area.
	10	16	56	08.0?	21.73	S	179.48	W	626	•	5.1	0.8	27	FIJI ISLANDS REGION
	10	17	03	34.2•	50.240	S	71.290	W	33	N	5.0	1.4	16	S. CHILE-ARGENTINA BORDER REGION
	10	17	28	39.0	0.395	N	125.834	E	77	•	5.0	1.2	40	MOLUCCA PASSAGE
	10	18	52	04.6•	55.748	N	160.780	E	145	D	4.7	0.8	67	KAMCHATKA
	10	19	32	26.5•	36.129	N	48.968	E	33	N	4.2	0.9	6	NORTHWESTERN IRAN
	10	19	43	46.4?	21.85	S	65.97	W	33	N		1.0	6	SOUTHERN BOLIVIA
	10	21	10	12.3•	45.523	N	26.379	E	140	G		0.5	6	ROMANIA
	10	21	58	58.5&	60.706	N	151.198	W	58				27	KENAI PENINSULA, ALASKA. <AGS-P>.
a	10	22	20	48.5	8.823	S	157.522	E	10	G	5.5 5.2	1.3	116	SOLOMON ISLANDS
	10	23	16	51.3?	51.01	N	171.88	W	33	N	4.6	1.0	10	FOX ISLANDS, ALEUTIAN ISLANDS
	10	23	17	48.9	50.067	N	17.156	E	10	G		0.9	13	POLAND. ML 3.8 (VKA), 3.5 (GRF), 3.5 (KBA).
	10	23	37	28.1%	40.016	N	28.163	E	10	G		0.7	6	TURKEY
f	11	00	18	25.5	5.187	S	152.442	E	51	D	5.8 6.4	1.3	298	NEW BRITAIN REGION. Ms 6.7 (BRK). Felt (V) at Rabaul.
	11	00	27	57.5	5.370	S	152.713	E	34	•		1.1	16	NEW BRITAIN REGION
	11	00	35	49.0	6.006	S	128.440	E	394		4.7	1.0	24	BANDA SEA
	11	01	11	17.9?	45.68	N	26.45	E	140	?		0.2	6	ROMANIA
	11	02	07	28.4	44.053	N	114.705	W	5	G		0.9	13	WESTERN IDAHO. ML 3.5 (NEIS).
	11	02	16	51.8•	19.741	N	98.577	W	5	G	3.8	0.8	5	CENTRAL MEXICO
	11	02	27	37.4&	60.074	N	153.144	W	115				22	SOUTHERN ALASKA. <AGS-P>.
	11	03	49	08.1•	43.940	N	114.837	W	5	G		0.7	7	WESTERN IDAHO. ML 3.4 (NEIS).
	11	03	55	12.7	44.067	N	114.781	W	5	G		0.7	17	WESTERN IDAHO. ML 4.0 (NEIS).
	11	04	22	30.6	32.662	N	78.559	E	33	N	4.8	1.4	54	KASHMIR-TIBET BORDER REGION
	11	04	37	31.3?	71.00	N	15.24	W	10	G	4.8	0.7	9	JAN MAYEN ISLAND REGION
	11	04	55	34.6	45.114	N	7.506	E	5	G		0.7	25	NORTHERN ITALY. ML 2.9 (LDG).
	11	05	02	11.4	5.229	S	152.604	E	46	•	4.9	1.3	19	NEW BRITAIN REGION
	11	08	57	26.9?	32.42	S	71.50	W	33	N		0.5	8	NEAR COAST OF CENTRAL CHILE
	11	10	30	03.2?	6.14	S	154.87	E	59	•	4.5	1.3	7	SOLOMON ISLANDS. Felt (II) at Arawa.
	11	12	46	49.9•	34.552	N	139.282	E	5	G		1.1	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) on Oshima.
	11	12	58	25.1•	0.499	N	125.989	E	33	N	4.7	1.1	15	MOLUCCA PASSAGE
	11	13	16	49.7•	4.928	S	152.224	E	78	•	4.8	0.8	7	NEW BRITAIN REGION
	11	13	22	59.5•	1.075	S	98.265	E	33	N	5.3	1.2	5	SOUTHERN SUMATERA
	11	14	57	00.1&	37.069	N	116.050	W	0				18	SOUTHERN NEVADA. <DOE>. ML 3.2 (NEIS). 37° 04' 00.68" N., 116° 02' 58.89" W., Surface Elev. 1244 m., Depth of Burial 500 m., Shot Time 145700.107, "ALEMAN", Nevada Test Site (Dept. of Energy).
	11	15	25	13.3•	4.957	S	151.911	E	79	•	4.8	1.8	7	NEW BRITAIN REGION
	11	16	57	19.6	5.217	S	152.641	E	40		5.3	1.2	60	NEW BRITAIN REGION

	11	17	07	25.1%	39.949	N	26.681	E	10	G			0.4	5	TURKEY
	11	17	41	19.2%	46.385	N	9.948	E	10	G			1.7	5	SWITZERLAND
	11	17	47	08.3*	39.185	N	27.738	E	10	G			1.0	5	TURKEY
a	11	17	54	03.0	0.474	N	125.862	E	33	N	5.4	5.0	1.3	130	MOLUCCA PASSAGE
	11	19	15	34.3*	5.109	S	152.242	E	63	*	5.3		1.6	10	NEW BRITAIN REGION
	11	19	33	37.7	2.154	S	138.260	E	33	N	4.6		1.2	35	WEST IRIAN
	11	22	20	55.9?	50.91	N	178.99	E	33	N	4.4		1.1	4	RAT ISLANDS, ALEUTIAN ISLANDS
	12	00	11	48.2	2.911	N	96.130	E	37		5.0	4.4	0.9	122	NORTHERN SUMATERA
	12	00	11	57.2	39.058	N	7.439	W	10	G			1.3	9	PORTUGAL. MG 3.7 (MTH). Felt at Sousel.
	12	00	34	56.4	10.860	N	69.391	W	21	*	4.6	3.9	1.1	24	VENEZUELA
	12	01	19	12.3?	43.99	N	128.92	W	10	G	4.3	4.5	1.3	12	OFF COAST OF OREGON
	12	01	52	33.7*	40.764	N	31.581	E	10	G			0.9	6	TURKEY
	12	03	30	57.9*	17.984	N	59.466	W	33	N			0.7	18	LEEWARD ISLANDS. ML 4.3 (FDF).
	12	05	43	18.17	5.42	S	131.59	E	225	?	3.8		0.8	5	BANDA SEA
	12	05	52	59.4	32.315	S	69.911	W	116		4.4		0.7	21	MENDOZA PROVINCE, ARGENTINA. Felt (III) in the Mendoza area. Also felt (II) in the Santiago, Chile area.
	12	07	24	41.4*	20.142	S	168.079	E	10		4.8		1.4	35	LOYALTY ISLANDS
	12	08	43	17.5*	45.634	N	26.594	E	140	?			0.5	8	ROMANIA
	12	09	02	33.8%	40.682	N	29.060	E	10	G			1.0	6	TURKEY
	12	10	34	51.2	40.251	N	27.330	E	10	G			0.7	31	TURKEY. ML 4.1 (ATH).
a	12	10	39	48.6	22.510	S	70.176	W	80		5.1		1.1	87	NEAR COAST OF NORTHERN CHILE. Felt (IV) in the Antofagasta-Calama area. Felt (II) at Arequipa, Peru.
	12	10	49	29.9*	21.682	S	177.318	W	389	*	4.6		1.1	15	FIJI ISLANDS REGION
	12	11	18	17.5	23.833	S	179.881	W	552	*	4.9		1.0	53	SOUTH OF FIJI ISLANDS
	12	11	27	02.8*	5.227	N	125.484	E	33	N	5.2		1.1	22	MINDANAO, PHILIPPINE ISLANDS
	12	13	58	57.2?	37.35	N	21.44	E	33	N			0.6	5	SOUTHERN GREECE. ML 3.5 (ATH).
	12	14	08	54.3	34.533	N	91.999	E	33	N	4.7		1.3	39	QINGHAI PROVINCE, CHINA
	12	15	49	08.5*	0.096	N	122.827	E	209	?			0.6	7	MINAHASSA PENINSULA
a	12	16	18	48.2	5.387	S	153.748	E	59		5.2		1.2	106	NEW IRELAND REGION
	12	16	33	55.3%	69.712	N	5.594	E	10	G			0.5	7	SOUTHERN NORWAY. MD 2.2 (BER).
	12	20	07	06.9*	51.559	N	178.546	W	33	N	4.3		0.8	25	ANDREANOF ISLANDS, ALEUTIAN IS.
	12	20	13	24.3&	61.814	N	149.935	W	43					49	SOUTHERN ALASKA. <AGS-P>. ML 3.4 (PMR).
	12	20	45	01.4*	29.107	S	71.116	W	33	N			1.0	10	NEAR COAST OF CENTRAL CHILE
	12	21	54	52.1*	6.984	S	110.293	E	33	N	4.8		1.5	29	JAVA. Felt in the Semarang area.
	12	23	33	17.2?	43.31	N	2.84	W	10	G			0.8	6	SPAIN. ML 2.6 (LDG).
	12	23	38	11.2&	36.243	N	120.485	W	8					13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK), 3.3 (PAS).
f	12	23	57	15.6	56.281	N	153.485	W	31	C	6.1	6.3	1.1	356	KODIAK ISLAND REGION. Ms 6.0 (BRK). Double event about 4.5 seconds apart. Felt (IV) at Larsen Bay. Depth from broadband displacement seismograms.
	13	00	26	54.0?	44.08	N	11.06	E	10	G			0.7	5	NORTHERN ITALY. ML 2.6 (KBA), 2.5 (LDG).
	13	00	41	36.5*	56.167	N	153.804	W	33	N	4.6		1.9	7	KODIAK ISLAND REGION. ML 3.4 (PMR).
	13	00	59	36.2?	40.58	N	16.29	E	10	G			1.1	5	SOUTHERN ITALY
	13	01	44	22.0?	17.12	S	178.92	W	550		4.6		1.5	39	FIJI ISLANDS REGION
	13	01	57	30.6	3.592	N	145.352	E	33	N	5.1		0.9	53	CAROLINE ISLANDS REGION
	13	02	52	02.8*	23.072	S	66.423	W	219	*	4.3		1.4	16	JUJUY PROVINCE, ARGENTINA
	13	03	05	41.5*	56.252	N	153.594	W	33	N			1.7	7	KODIAK ISLAND REGION. ML 3.8 (PMR).
	13	03	11	19.1	56.138	N	153.639	W	33	N	4.8		0.9	68	KODIAK ISLAND REGION. ML 4.8 (PMR).
	13	03	36	55.3*	42.889	N	145.466	E	48	*	4.8		1.2	35	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Nemuro.
	13	03	38	10.2?	56.52	N	152.79	W	33	N			1.7	6	KODIAK ISLAND REGION. ML 3.4 (PMR).
	13	03	47	41.9	39.074	N	27.757	E	10	G			1.4	9	TURKEY
	13	04	19	59.7*	56.182	N	153.310	W	33	N	4.0		1.1	10	KODIAK ISLAND REGION. ML 3.9 (PMR).
	13	04	25	42.5*	1.962	N	79.525	W	33	N	4.4		1.1	7	NEAR COAST OF ECUADOR
	13	05	08	25.3&	59.976	N	152.824	W	88					32	SOUTHERN ALASKA. <AGS-P>.
	13	06	48	29.9*	36.160	N	69.812	E	169	?	4.8		1.1	10	HINDU KUSH REGION
	13	07	16	53.6*	25.466	N	142.637	E	33	N	4.7		0.9	26	VOLCANO ISLANDS REGION
a	13	09	28	24.4	60.797	S	36.779	W	10	G	5.8	6.1	1.2	130	SCOTIA SEA
	13	09	58	43.5	18.637	N	145.643	E	195		5.1		1.2	137	MARIANA ISLANDS
	13	11	26	37.3	0.473	N	125.899	E	33	N	4.9		1.3	54	MOLUCCA PASSAGE
	13	12	30	40.7&	61.245	N	146.939	W	42					50	SOUTHERN ALASKA. <AGS-P>. ML 3.8 (PMR). Felt at Valdez.
	13	14	06	30.2*	32.735	S	71.271	W	33	N			1.0	11	NEAR COAST OF CENTRAL CHILE
	13	14	14	54.3	36.442	N	70.766	E	200		4.9		1.0	169	HINDU KUSH REGION. Felt (IV) at Ishkashim and (III) at Khorog and Kulyab, USSR.
	13	15	16	15.0?	54.98	N	158.97	W	33	N			1.2	5	SOUTH OF ALASKA. ML 3.8 (PMR).
f	13	15	17	21.8	31.827	S	179.937	W	215	G	5.9		1.1	391	KERMADEC ISLANDS REGION. Felt (III) on Raoul. Depth from broadband displacement seismograms.
	13	16	38	02.9*	55.635	N	160.612	W	33	N			1.3	7	ALASKA PENINSULA. ML 3.8 (PMR).
a	13	17	24	31.4	37.814	N	22.176	E	11	G	6.0	5.8	1.4	362	SOUTHERN GREECE. ML 5.7 (ATH). At least twenty people killed, about 300 injured, 2500 homeless and 1500 buildings damaged or destroyed (X) in the Kalamai area. Felt in Lakonia and on Zakinthos. Also felt at Athens and in central Greece. Depth from broadband displacement seismograms.
	13	17	45	22.9	0.350	N	125.844	E	33	N	5.1		1.2	25	MOLUCCA PASSAGE
	13	18	00	47.7	23.032	S	66.485	W	197		4.9		1.2	62	JUJUY PROVINCE, ARGENTINA
	13	18	30	36.0?	36.82	N	22.22	E	33	N			1.1	6	SOUTHERN GREECE. ML 3.4 (ATH).
	13	18	34	45.9?	41.78	N	22.27	E	10	G			0.2	4	YUGOSLAVIA. MG 1.8 (SKO).
	13	18	50	18.2?	36.76	N	22.00	E	33	N			1.1	5	SOUTHERN GREECE. ML 3.2 (ATH).
	13	20	30	36.6	36.927	N	71.129	E	106	*	4.7		1.1	25	AFGHANISTAN-USSR BORDER REGION
	13	21	00	46.1	37.444	N	20.605	E	50		4.4	3.9	1.3	143	IONIAN SEA
	13	21	36	29.1	17.850	N	145.504	E	399		4.8		1.0	81	MARIANA ISLANDS
	13	21	56	44.4	38.985	N	135.398	E	383		4.5		0.9	35	SEA OF JAPAN
	13	22	40	16.4	37.127	N	22.146	E	33	N	3.8		1.2	14	SOUTHERN GREECE. ML 3.7 (ATH).
	13	22	47	32.0*	16.900	N	120.468	E	122	*			1.0	7	LUZON, PHILIPPINE ISLANDS
a	14	00	05	54.5	23.368	S	179.102	E	549		5.2		1.1	166	SOUTH OF FIJI ISLANDS
	14	01	03	28.3*	23.036	S	68.773	W	112	*	4.7		1.3	14	NORTHERN CHILE
	14	01	11	29.5	56.319	N	153.501	W	33	N	4.5		0.9	37	KODIAK ISLAND REGION
	14	02	42	50.2*	34.028	S	71.949	W	33	N	4.2		0.9	11	NEAR COAST OF CENTRAL CHILE
	14	02	58	38.1&	61.015	N	151.272	W	70					39	SOUTHERN ALASKA. <AGS-P>.
	14	03	38	31.3	6.071	S	105.526	E	33	N	5.1		1.4	69	SUNDA STRAIT
	14	04	46	00.8%	40.080	N	29.385	E	13	*			0.4	7	TURKEY
	14	05	52	05.0?	37.96	N	25.53	E	10	G			1.0	6	DODECANESE ISLANDS. ML 3.5 (ATH).
	14	06	06	06.0?	31.54	S	68.34	W	134	*	4.1		0.9	11	SAN JUAN PROVINCE, ARGENTINA
	14	08	15	54.3*	6.055	S	146.791	E	76	*	3.8		1.3	11	EAST PAPUA NEW GUINEA REGION

	14	08	15	55.3±	36.882	N	121.325	W	7				14	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	14	09	08	41.0±	44.690	N	6.925	E	5			0.3	9	FRANCE. ML 2.9 (LDG).
	14	09	57	49.2?	16.30	N	100.54	W	33	N		0.7	5	GUERRERO, MEXICO
	14	11	27	13.6	56.707	N	34.241	W	10	G	4.9 3.5	0.9	85	NORTH ATLANTIC OCEAN
	14	11	33	39.5•	63.186	N	147.191	W	33	N		1.4	7	CENTRAL ALASKA. ML 3.1 (PMR).
	14	11	38	53.6±	61.703	N	149.682	W	47				38	SOUTHERN ALASKA. <AGS-P>. Felt at Palmer.
	14	12	31	39.8?	44.13	N	18.37	E	10	G		1.6	5	YUGOSLAVIA. ML 2.2 (TTG).
	14	12	36	08.4•	43.139	N	18.696	E	10	G		0.9	5	YUGOSLAVIA. ML 2.4 (TTG).
	14	12	42	32.3	24.084	N	141.910	E	33	N	5.2	1.1	57	VOLCANO ISLANDS REGION
	14	13	13	24.1•	1.777	N	97.554	E	71	?	4.1	0.9	9	NORTHERN SUMATERA
	14	13	22	09.0•	5.073	S	102.691	E	56	•	5.0	1.2	32	SOUTHERN SUMATERA
	14	13	54	41.9	43.784	N	147.621	E	49	•	5.1	0.9	99	KURIL ISLANDS. Felt (I JMA) at Nemuro, Hokkaido.
	14	14	51	48.1	0.097	S	123.418	E	197	•	5.1	1.3	49	MINAHASSA PENINSULA
	14	16	01	49.4•	43.968	N	114.751	W	5	G		0.5	7	WESTERN IDAHO. ML 3.1 (NEIS).
	14	16	27	47.0•	42.296	N	19.957	E	10	G		0.6	5	YUGOSLAVIA. ML 2.3 (TTG).
	14	16	56	23.0•	47.129	N	153.934	E	33	N	5.0 4.1	0.8	58	KURIL ISLANDS
	14	17	05	36.7•	37.646	N	36.887	E	10	G		1.5	7	TURKEY
	14	17	41	27.5±	58.825	N	137.022	W	6				16	SOUTHEASTERN ALASKA. <AGS-P>.
	14	17	47	05.5	47.104	N	154.100	E	33	N	4.8	1.2	23	KURIL ISLANDS
	14	17	53	19.7	34.387	N	25.828	E	54	•	4.4	1.4	80	CRETE
	14	19	33	07.7•	28.930	N	129.722	E	80	•	4.1	1.2	16	RYUKYU ISLANDS. Felt (II JMA) at Naze.
	14	20	16	58.2	1.738	N	126.408	E	33	N	4.9	0.8	28	MOLUCCA PASSAGE
	14	20	51	28.6•	42.335	N	20.843	E	10	G		1.5	6	YUGOSLAVIA. MD 2.1 (TTG).
e	14	20	58	23.1	6.470	S	154.916	E	59		5.6	1.1	225	SOLOMON ISLANDS. Felt (V) at Arawa and Panguna, Bougainville.
	14	22	03	50.1	40.393	N	26.887	E	10	G		0.6	6	TURKEY
	14	22	12	20.6	7.121	N	77.185	W	47		4.7	1.1	54	PANAMA-COLOMBIA BORDER REGION
	14	22	48	40.6?	36.88	N	22.12	E	33	N		1.3	12	SOUTHERN GREECE. ML 3.6 (ATH).
	14	23	33	16.0±	61.228	N	146.846	W	16				43	SOUTHERN ALASKA. <AGS-P>.
	15	00	25	48.1	18.490	N	62.485	W	33	N	4.2	0.7	18	LEEWARD ISLANDS. ML 4.2 (FDF).
	15	03	26	07.6?	60.77	S	36.41	W	10	G	4.6	1.3	10	SCOTIA SEA
	15	04	23	19.5±	31.970	N	116.320	W	10				5	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	15	05	02	34.1	23.911	S	66.672	W	207		4.6	1.2	28	JUJUY PROVINCE, ARGENTINA
	15	05	47	29.1•	24.031	N	114.426	E	33	N		1.3	8	NEAR SOUTHEASTERN COAST OF CHINA. MG 3.8 (GZH).
	15	06	29	35.8	51.561	N	177.985	W	33	N	4.9 4.0	1.0	185	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR). Felt on Adak.
	15	06	58	40.3?	18.56	S	177.76	W	573	•	5.0	0.9	21	FIJI ISLANDS REGION
	15	07	06	30.6	26.269	S	27.432	E	5	G	4.9	1.1	22	REPUBLIC OF SOUTH AFRICA
	15	07	53	29.0	43.188	N	29.077	W	10	G	4.6 4.4	1.0	48	NORTH ATLANTIC RIDGE
	15	08	21	57.8•	47.347	N	11.081	E	10	G		1.4	8	AUSTRIA. ML 3.0 (KBA).
	15	08	46	56.1	38.433	N	25.028	E	10	G		1.2	8	AEGEAN SEA. ML 3.7 (ATH).
e	15	08	48	11.4	22.748	S	175.288	W	33	N	5.7 5.8	1.2	193	TONGA ISLANDS REGION
	15	09	13	02.4	48.519	N	153.073	E	33	N	5.1	0.7	74	KURIL ISLANDS
	15	10	18	15.5?	0.11	S	125.30	E	33	N	4.3	1.2	11	MOLUCCA SEA
	15	11	38	31.3•	5.757	S	146.417	E	129	•	4.5	1.4	12	EAST PAPUA NEW GUINEA REGION
	15	11	41	27.8	36.930	N	22.175	E	10	G	4.9 4.8	1.4	180	SOUTHERN GREECE. ML 4.8 (ATH). Thirty-seven people injured and additional damage in the Kalamai area.
	15	12	47	38.7•	37.243	N	22.141	E	33	N		1.0	17	SOUTHERN GREECE. ML 3.7 (ATH).
	15	13	19	47.8	39.121	N	27.887	E	12			1.2	13	TURKEY
	15	14	17	52.1	41.073	N	20.819	E	10	G		1.1	32	ALBANIA. ML 3.6 (SKO), MD 3.4 (TTG). Felt (V) in the Ohrid-Struga area, Yugoslavia.
	15	14	48	22.1±	61.528	N	143.880	W	52		4.5		86	SOUTHERN ALASKA. <AGS-P>. Felt (IV) at Chitina. Felt (III) at Cordova and Valdez.
	15	15	09	14.0	46.547	N	2.462	E	10	G		1.0	11	FRANCE. ML 2.6 (LDG).
	15	16	42	52.7•	24.642	N	98.782	E	33	N	4.4	1.1	7	BURMA-CHINA BORDER REGION
	15	16	53	54.1	47.270	N	153.914	E	33	N	4.9 4.8	1.0	74	KURIL ISLANDS
	15	17	00	33.2	47.329	N	153.797	E	33	N	5.0 4.6	0.9	87	KURIL ISLANDS
	15	17	08	04.2?	46.08	N	14.79	E	10	G		0.4	5	YUGOSLAVIA. ML 2.1 (KBA).
	15	17	54	11.5•	33.250	N	30.485	E	33	N		0.8	7	EASTERN MEDITERRANEAN SEA
	15	18	43	26.8•	21.197	S	68.735	W	119	•		1.2	8	CHILE-BOLIVIA BORDER REGION
	15	19	43	07.9	21.377	S	67.339	W	189	•	4.5	1.2	24	CHILE-BOLIVIA BORDER REGION
	15	20	05	38.0	7.425	N	74.983	W	70		4.8	1.0	79	NORTHERN COLOMBIA. Felt at Medellin.
	15	20	17	49.8	37.296	N	121.657	W	5	G		0.5	11	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	15	21	11	08.7	44.582	N	11.330	E	10	G		1.1	16	NORTHERN ITALY. ML 3.1 (KBA), 3.0 (LDG). MD 3.0 (FIR).
	15	21	23	03.1	44.614	N	11.318	E	10	G		0.7	15	NORTHERN ITALY. ML 3.0 (KBA), 2.9 (LDG). MD 3.0 (FIR).
e	15	21	42	29.2	36.714	N	71.092	E	89	G	5.8	1.0	333	AFGHANISTAN-USSR BORDER REGION. Felt (IV) at Regar and in the Ishkashim-Obigarm-Parkhar area; (III) at Dushanbe and Samarkand, USSR. Felt at Chitral and Peshawar, Pakistan. Depth from broadband displacement seismograms.
	15	23	00	28.4?	15.84	N	60.28	W	28	•		1.5	8	LEEWARD ISLANDS
	15	23	29	52.5±	39.117	N	27.721	E	10	G		0.6	8	TURKEY
	15	23	32	41.5	39.142	N	27.777	E	10	G		1.2	8	TURKEY
	16	00	07	41.2	37.625	N	118.455	W	5	G		1.0	8	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (PAS).
	16	01	23	10.1	9.344	S	122.061	E	33	N	4.8	1.4	31	SAVU SEA
	16	04	28	56.4•	9.549	S	78.324	W	33	N		0.8	6	NEAR COAST OF NORTHERN PERU. Felt (III) at Chimbote and (II) at Casma.
	16	04	57	42.4•	21.245	S	68.722	W	154	?		0.4	7	CHILE-BOLIVIA BORDER REGION
	16	05	01	43.5	37.642	N	118.398	W	5	G		0.9	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (PAS).
	16	06	01	07.8?	16.01	S	175.04	W	198	?	4.5	1.4	27	TONGA ISLANDS
	16	06	36	57.8±	37.610	N	118.445	W	5	G			19	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.3 (BRK), 3.2 (PAS).
	16	06	38	12.8•	5.267	S	102.289	E	33	N	4.9	1.0	28	SOUTHERN SUMATERA
	16	08	14	39.6	44.518	N	10.769	E	10	G		0.5	12	NORTHERN ITALY. ML 3.0 (LDG), 2.7 (KBA).
e	16	08	57	10.7	12.353	S	166.595	E	135	•	5.5	1.0	117	SANTA CRUZ ISLANDS
	16	09	31	54.9	39.051	N	27.892	E	10			0.4	7	TURKEY
	16	11	33	40.4•	10.034	S	114.114	E	33	N	3.9	1.5	9	SOUTH OF BALI ISLAND
	16	11	44	46.0?	39.04	N	29.25	E	10	G		0.7	7	TURKEY
	16	12	53	19.7±	59.892	N	140.652	W	4				18	SOUTHEASTERN ALASKA. <AGS-P>.
	16	13	14	25.9±	37.595	N	118.413	W	5	G			19	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK). Felt (III) at Benton, California. Also felt at Chalfant, California.
	16	13	18	37.6•	50.387	N	6.985	E	10	G		0.2	5	GERMANY

	16	13	29	04.8•	31.172	N	86.673	E	33	N	4.4		1.5	16	TIBET
	16	13	59	44.0?	32.46	N	26.31	E	10	G			0.4	6	EASTERN MEDITERRANEAN SEA
	16	14	18	09.9	63.487	N	23.985	W	10	G	4.6		1.2	32	ICELAND REGION
	16	14	43	27.1?	17.63	N	103.93	W	33	N	4.2		1.4	10	NEAR COAST OF MICHOACAN, MEXICO
	16	18	01	37.2•	38.993	N	86.687	E	33	N	4.5		1.3	11	TIBET
	16	18	30	02.1%	15.239	N	61.371	W	10	G			0.5	9	LEEWARD ISLANDS. ML 3.3 (FDF).
f	16	18	28	17.7	19.376	N	146.301	E	48		6.5	6.7	1.1	521	MARIANA ISLANDS REGION. Ms 6.8 (BRK).
	16	18	56	32.9	19.242	N	146.347	E	74	•	5.1		1.0	72	MARIANA ISLANDS REGION
	16	19	43	28.3?	15.38	N	121.03	E	100	•	4.4		1.5	6	LUZON, PHILIPPINE ISLANDS
	16	20	11	25.7	37.750	N	101.636	E	10		5.3		1.1	133	QINGHAI PROVINCE, CHINA. Damage at Haomen. Felt in the Xining area.
e	16	20	57	21.0	56.222	N	153.660	W	33	N	5.3	5.5	0.9	178	KODIAK ISLAND REGION. ML 5.1 (PMR), Ms 5.1 (BRK). Felt (III) at Kodiak.
	16	21	00	18.8•	44.665	N	114.726	W	5	G			1.3	9	WESTERN IDAHO. ML 3.5 (NEIS).
	16	21	52	35.3	37.768	N	101.726	E	19		5.3		1.0	186	QINGHAI PROVINCE, CHINA
	16	23	49	48.8•	37.898	N	101.625	E	10	G	4.4		1.6	18	QINGHAI PROVINCE, CHINA
	17	03	04	43.1	38.968	N	28.127	E	10	G			0.9	10	TURKEY
	17	03	37	07.8•	65.988	N	152.962	W	33	N			1.4	7	ALASKA. ML 3.9 (PMR).
	17	03	44	57.8•	19.574	N	146.518	E	33	N	4.9		0.9	19	MARIANA ISLANDS REGION
	17	04	39	01.5•	26.693	N	128.825	E	33	N	4.4		1.3	15	RYUKYU ISLANDS
	17	04	42	38.3	26.547	N	128.680	E	41	•	5.0	4.9	1.0	34	RYUKYU ISLANDS
	17	05	58	24.1	37.635	N	118.356	W	5	G			0.7	19	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (BRK), 3.2 (PAS).
	17	06	16	12.3?	31.45	S	70.03	W	33	N			0.8	9	CHILE-ARGENTINA BORDER REGION
e	17	06	42	20.2	3.934	S	128.829	E	25		5.4	5.1	1.3	119	CERAM
	17	06	44	53.5	3.835	S	128.811	E	33	N	5.5		1.2	68	CERAM
	17	07	04	45.6	7.076	S	154.737	E	36	•	4.9		1.3	28	SOLOMON ISLANDS
	17	07	39	57.6&	62.216	N	150.649	W	72					27	CENTRAL ALASKA. <AGS-P>.
	17	08	06	01.8•	7.116	S	154.842	E	46	•	4.2		1.1	12	SOLOMON ISLANDS
	17	09	15	33.7•	31.846	S	69.393	W	33	N			0.6	9	SAN JUAN PROVINCE, ARGENTINA
	17	09	33	49.4&	32.928	N	80.152	W	8					5	SOUTH CAROLINA. <GLD>. MD 2.6 (GLD). Felt (IV) at Summerville. Also felt at Middleton Gardens.
e	17	11	01	18.5	26.539	N	128.631	E	34	D	5.4	5.5	1.1	132	RYUKYU ISLANDS. Felt (I JMA) at Nago.
	17	12	04	30.6•	39.416	N	25.749	E	19	•			1.3	18	AEGEAN SEA
e	17	12	08	09.4	37.299	N	71.730	E	120	D	5.5		1.0	274	AFGHANISTAN-USSR BORDER REGION. Felt (V) at Khorog, (IV) in the Parkhar-Garm-Rushan area and (III) at Dushanbe, Fergana, Samarkand and Tashkent, USSR.
	17	12	43	29.5%	40.782	N	27.526	E	10	G			0.5	7	TURKEY
	17	12	57	10.2	33.438	S	72.302	W	33	N	4.0		0.6	13	OFF COAST OF CENTRAL CHILE. Felt (II) at Santiago.
	17	13	00	51.1•	45.491	N	26.589	E	170	•	3.2		1.1	18	ROMANIA
	17	14	04	50.6&	60.184	N	152.777	W	109					20	SOUTHERN ALASKA. <AGS-P>.
	17	15	16	41.7?	14.96	S	167.20	E	133	?	4.3		1.4	18	VANUATU ISLANDS
	17	16	28	08.6%	46.490	N	9.570	E	10	G			0.4	5	SWITZERLAND
	17	17	46	11.6•	19.484	N	146.471	E	33	N	4.8		1.1	14	MARIANA ISLANDS REGION
	17	18	41	19.3&	62.527	N	149.519	W	91					15	CENTRAL ALASKA. <AGS-P>.
	17	18	45	37.2•	17.384	S	167.895	E	33	N	4.2		0.8	7	VANUATU ISLANDS
	17	19	57	15.7	28.180	N	97.975	E	48	•	4.4		1.4	41	BURMA
	17	20	51	50.1•	33.906	N	135.386	E	68	•	4.2		0.0	7	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Wakayama.
e	17	21	25	15.0	10.497	N	56.983	E	10	G	5.8	6.0	1.3	269	CARLSBERG RIDGE
	17	22	12	28.3	39.043	N	28.627	E	10	G			1.3	9	TURKEY
	17	22	33	59.8•	7.264	N	127.087	E	33	N	4.8		1.0	12	PHILIPPINE ISLANDS REGION
	17	23	10	54.9	6.670	N	144.695	E	33	N	4.8		1.4	36	CAROLINE ISLANDS REGION
	18	00	12	03.7	26.611	N	54.617	E	33	N	4.6		1.0	83	SOUTHERN IRAN
	18	01	02	10.7	36.011	N	9.936	W	70	•			0.7	23	WEST OF GIBRALTAR
	18	01	02	54.5	39.059	N	27.696	E	10	G			1.2	9	TURKEY
	18	01	54	18.8?	51.85	N	176.96	W	33	N	4.5		1.6	9	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	02	37	48.0&	40.342	N	124.192	W	5	G				6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
	18	02	46	03.5?	30.97	S	72.57	W	33	N			0.6	9	OFF COAST OF CENTRAL CHILE
	18	04	53	21.0	38.937	N	107.116	W	5	G			0.8	14	COLORADO. ML 3.2 (NEIS). Felt in the Crested Butte area.
	18	05	07	31.1	30.971	N	130.384	E	144		4.9		0.9	86	KYUSHU, JAPAN. Felt (I JMA) at Naze, Ryukyu Islands.
	18	05	59	39.2	20.221	S	168.970	E	46	•	5.1	4.8	1.4	92	LOYALTY ISLANDS
	18	06	22	46.0•	49.990	N	151.785	E	402	?	4.2		1.2	17	NORTHWEST OF KURIL ISLANDS
	18	06	40	00.7•	27.630	S	178.277	W	33	N	4.8		1.1	21	KERMADEC ISLANDS REGION
	18	07	19	08.7	16.319	N	98.929	W	26	D	4.9		1.1	51	NEAR COAST OF GUERRERO, MEXICO. Felt slightly at Puebla.
	18	07	59	47.5	37.632	N	118.392	W	5	G			0.7	30	CALIFORNIA-NEVADA BORDER REGION. ML 4.1 (BRK), 4.2 (PAS).
	18	08	06	01.8•	16.491	N	98.888	W	42	•	4.6		1.2	29	NEAR COAST OF GUERRERO, MEXICO. Felt slightly at Puebla.
	18	09	26	38.1	38.925	N	107.086	W	5	G			0.4	15	COLORADO. ML 3.4 (NEIS). Felt (III) at Aspen and Snowmass Village. Also felt in the Crested Butte area.
	18	09	39	24.5?	13.18	N	91.85	W	33	N	4.1		1.5	12	NEAR COAST OF GUATEMALA
	18	10	07	56.3	40.149	N	29.325	E	10	G			1.0	13	TURKEY
	18	11	59	34.7	9.466	S	116.610	E	73	•	4.6		0.6	12	SUMBAWA ISLAND REGION
	18	12	19	18.8•	52.528	S	25.899	E	10	G	5.1		1.1	17	SOUTH OF AFRICA
	18	15	48	44.3&	61.999	N	151.986	W	120					14	SOUTHERN ALASKA. <AGS-P>.
	18	16	56	42.3%	46.588	N	9.462	E	10	G			1.3	6	SWITZERLAND
	18	17	41	31.6&	60.516	N	153.025	W	139					12	SOUTHERN ALASKA. <AGS-P>.
	18	20	56	05.8	61.798	N	149.721	W	57		4.6		0.9	120	SOUTHERN ALASKA. Felt (IV) at Chugiak, Eagle River, Wasilla and Willow. Felt (III) at Anchorage, Moose Pass and Sutton. Also felt at Girdwood, King Mountain Lodge, Palmer, Whittier and at mile 98 on the Glenn Highway.
	19	00	21	34.3	45.589	N	26.566	E	150		4.0		1.0	55	ROMANIA. Felt (IV) in Moldavia, USSR.
	19	01	14	58.1	39.235	N	23.826	E	10	G			1.1	9	AEGEAN SEA. ML 3.0 (ATH).
	19	03	18	25.4?	33.78	S	72.23	W	33	N			0.8	8	OFF COAST OF CENTRAL CHILE
	19	03	13	28.2•	43.808	N	147.192	E	33	N	4.7		0.7	13	KURIL ISLANDS
	19	04	33	31.6&	60.219	N	153.199	W	131					25	SOUTHERN ALASKA. <AGS-P>.
	19	04	48	52.1•	5.584	S	152.538	E	33	N	4.4		1.4	7	NEW BRITAIN REGION
	19	06	04	59.2%	40.583	N	30.119	E	10	G			1.4	6	TURKEY
	19	06	26	34.6&	36.293	N	120.373	W	9					19	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	19	06	40	33.8?	59.32	N	6.84	E	10	G			1.1	6	SOUTHERN NORWAY. MD 2.3 (BER).

	19	07	01	35.4?	23.45	S	179.98	E	575	?	4.8		1.2	16	SOUTH OF FIJI ISLANDS
	19	09	24	36.0?	51.87	N	21.04	E	10	G			1.5	5	POLAND. MG 2.9 (KRA).
	19	10	41	28.2&	41.466	N	111.704	W	5					17	UTAH. <SLC-P>. ML 3.4 (SLC). Felt (IV) at Hyrum and Paradise. Felt (III) at Millville, Wellsville and Willard.
	19	10	52	00.9?	9.72	N	86.69	W	33	N	4.7	3.7	1.5	17	OFF COAST OF COSTA RICA
	19	12	27	52.1	39.336	N	28.879	E	10	G			0.9	6	TURKEY
	19	13	04	01.4%	60.364	N	5.326	E	10	G			0.5	6	SOUTHERN NORWAY. MD 1.7 (BER).
	19	13	44	35.3	55.756	N	161.892	E	33	N	4.9		0.7	38	NEAR EAST COAST OF KAMCHATKA
	19	13	51	35.1	22.777	S	179.686	W	585	•	5.1		1.1	58	SOUTH OF FIJI ISLANDS
	19	14	44	42.5&	19.333	N	155.349	W	31					45	HAWAII. <HVO-P>. ML 4.0 (HVO). Felt at Homestead, Honomu, Kiolaka'a, Naalehu, Ocean View Estates, Pahala and Papaikou.
	19	15	06	25.4	43.283	N	0.651	W	10	G			1.0	10	PYRENEES. ML 2.6 (LDG).
	19	15	11	59.4	44.864	N	8.892	E	10	G			1.0	20	NORTHERN ITALY. ML 2.9 (LDG).
	19	15	53	01.0&	47.300	N	70.320	W	22					12	SOUTHERN QUEBEC. <OTT-P>. mbLg 4.2 (OTT). Felt at La Pocatiere.
	19	16	31	09.5	53.304	N	2.034	E	10	G			0.9	42	NORTH SEA. ML 3.8 (LDG), 3.6 (BGS). mbLg 3.4 (DDU).
a	19	19	01	15.4	2.957	S	139.552	E	38	•	5.1	4.7	1.4	86	NEAR N. COAST OF WEST IRIAN
	19	22	30	43.4	2.998	S	139.330	E	53	•	5.3		1.4	34	NEAR N. COAST OF WEST IRIAN
	19	22	43	46.6?	41.81	N	19.38	E	10	G			0.6	9	ALBANIA. ML 3.0 (TTG).
	19	22	45	44.9?	41.84	N	19.45	E	10	G			0.6	8	ALBANIA. ML 2.6 (TTG).
a	20	01	31	13.9	0.843	N	29.233	W	10	G	5.4	4.7	1.0	169	CENTRAL MID-ATLANTIC RIDGE
	20	02	17	32.0	53.578	N	167.249	W	33	N	4.6		0.8	34	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
	20	02	26	02.6	54.218	N	162.871	W	33	N	4.8		0.9	50	ALASKA PENINSULA
	20	02	59	42.2?	3.02	S	139.67	E	33	N	4.7		1.6	15	WEST IRIAN
	20	03	04	58.7	36.454	N	140.520	E	75		5.1		1.2	126	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Mito, Nikko and Utsunomiya; (II JMA) at Tokyo, Kumagaya and Onahama; (I JMA) at Chiba, Kofu and Sendai.
	20	04	27	59.0&	60.790	N	151.790	W	78					28	KENAI PENINSULA, ALASKA. <AGS-P>.
	20	05	54	23.6	8.490	N	73.498	W	49	•	4.4	3.1	1.3	14	NORTHERN COLOMBIA
	20	07	01	34.8•	5.045	S	76.985	W	132	•	4.5		1.1	13	NORTHERN PERU
	20	09	33	09.0?	39.15	N	21.94	E	10	G			0.5	4	GREECE. ML 3.3 (ATH).
a	20	10	05	08.7	13.034	N	93.354	E	76		4.9		0.9	99	ANDAMAN ISLANDS REGION
	20	10	52	09.4•	23.947	S	66.779	W	282	•	4.3		1.2	10	JUJUY PROVINCE, ARGENTINA
	20	12	24	02.7	38.577	N	137.830	E	491		4.6		0.8	62	SOUTH OF HONSHU, JAPAN
	20	13	51	04.1•	45.438	N	26.376	E	128	?			1.4	7	ROMANIA
	20	15	00	35.1•	45.556	N	26.318	E	170	•	3.7		0.7	9	ROMANIA
	20	15	08	39.7&	60.312	N	152.094	W	69					23	SOUTHERN ALASKA. <AGS-P>.
	20	18	40	12.3&	62.096	N	150.217	W	59					23	CENTRAL ALASKA. <AGS-P>.
	20	19	00	11.7•	24.346	N	122.750	E	121	•			1.3	15	TAIWAN REGION
	20	21	33	08.7&	60.378	N	152.988	W	125					21	SOUTHERN ALASKA. <AGS-P>.
	20	22	15	01.5•	59.799	N	16.301	E	10	G			1.2	10	SWEDEN. ML 3.6 (UPP). Felt at Avesta, Fagersta, Nordberg, Arboga and Vaesteraas.
	21	02	59	15.8&	40.438	N	125.983	W	21					4	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK).
	21	03	15	52.1?	35.64	N	29.51	E	10	G			1.4	5	EASTERN MEDITERRANEAN SEA
	21	08	47	38.7	39.331	N	27.194	E	10	G			1.4	16	TURKEY
	21	08	49	38.4	23.755	N	123.022	E	33	N	4.3		1.3	25	SOUTHWESTERN RYUKYU ISLANDS
	21	09	20	46.6•	39.597	N	105.285	W	5	G			0.9	6	COLORADO. ML 2.5 (NEIS). Felt at Conifer and Tiny Town.
a	21	12	18	06.6	17.023	N	147.273	E	48	•	5.1	4.5	0.9	87	MARIANA ISLANDS REGION
	21	13	22	58.4•	16.957	N	147.365	E	56	•	4.9		1.0	20	MARIANA ISLANDS REGION
	21	13	36	54.6•	26.280	S	66.881	W	93	?	4.6		1.4	12	CHILE-ARGENTINA BORDER REGION
	21	15	19	19.5	16.479	N	98.144	W	33		4.6		1.1	35	NEAR COAST OF GUERRERO, MEXICO. Felt (III) at Oaxaca and Puebla.
	21	15	57	12.1&	37.800	N	118.290	W	6	G				8	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	21	16	26	23.0•	66.314	N	149.521	W	10	G			0.8	6	ALASKA
	21	18	21	47.0•	31.621	S	69.988	W	116	•	4.5		0.7	11	SAN JUAN PROVINCE, ARGENTINA
	21	18	38	44.2•	18.829	S	173.184	W	33	N	4.8		0.8	16	TONGA ISLANDS
	21	20	59	02.5?	43.86	N	7.32	E	10	G			0.6	4	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
	21	21	36	41.3%	42.150	N	25.165	E	10	G			0.3	7	BULGARIA
	21	22	10	44.5&	62.684	N	149.146	W	55					24	CENTRAL ALASKA. <AGS-P>.
	21	23	38	17.5	52.858	N	160.089	E	50		5.1	4.1	0.9	128	OFF EAST COAST OF KAMCHATKA
	22	00	52	58.6?	33.57	S	72.20	W	33	N			0.4	8	OFF COAST OF CENTRAL CHILE
	22	01	25	00.2%	43.305	N	8.177	E	10	G			0.3	5	CORSICA. ML 2.7 (LDG).
	22	01	54	06.5•	46.444	N	9.856	E	10	G			1.1	6	SWITZERLAND
	22	02	17	58.0	25.017	N	123.622	E	33	N	4.7		1.1	39	NORTHEAST OF TAIWAN
	22	03	40	35.9•	6.596	S	145.652	E	33	N	3.2		0.7	5	PAPUA NEW GUINEA
	22	05	38	51.9	44.040	N	114.756	W	5	G			0.7	10	WESTERN IDAHO. ML 3.4 (NEIS).
	22	06	00	15.1•	24.409	N	123.220	E	33	N	4.4		0.7	5	SOUTHWESTERN RYUKYU ISLANDS
	22	06	17	57.6?	6.24	S	151.54	E	33	N	3.7		0.7	5	NEW BRITAIN REGION
	22	06	20	16.9	38.930	N	107.097	W	5	G			0.5	13	COLORADO. ML 2.5 (NEIS).
	22	07	53	22.8?	11.73	S	76.86	W	115	?			1.3	12	PERU. Felt (III) at Lima.
	22	08	07	08.7•	56.028	N	153.562	W	33	N	4.3		1.2	8	KODIAK ISLAND REGION. ML 3.9 (PMR).
	22	08	20	09.5•	16.707	S	167.136	E	33	N	4.4		1.0	17	VANUATU ISLANDS
	22	08	48	47.5	14.911	S	167.154	E	163	•	4.7		1.3	49	VANUATU ISLANDS
	22	09	21	52.5•	7.166	S	155.478	E	33	N	4.2		1.5	7	SOLOMON ISLANDS. Felt (II) at Arawa, Bougainville.
	22	10	33	39.9•	18.848	S	69.967	W	33	N	4.7		1.2	6	NORTHERN CHILE
	22	10	42	34.8?	55.49	S	25.95	W	33	N	4.8		1.1	6	SOUTH SANDWICH ISLANDS REGION
	22	12	30	36.5•	52.671	N	160.827	E	33	N	4.7	4.8	1.2	16	OFF EAST COAST OF KAMCHATKA
	22	14	21	43.5	34.267	S	145.575	E	10	G	3.0		0.7	9	NEW SOUTH WALES, AUSTRALIA. ML 3.7 (TOO), 3.6 (CMS).
	22	15	22	07.4•	35.845	N	24.173	E	83	?			0.7	6	CRETE
a	22	16	15	05.8	6.716	S	130.427	E	123	D	5.6		1.0	202	BANDA SEA
	22	16	22	30.1%	44.454	N	7.254	E	10	G			0.2	5	NORTHERN ITALY. ML 2.6 (LDG).
	22	16	44	29.0	34.693	N	29.936	E	36		4.4	3.7	1.2	56	EASTERN MEDITERRANEAN SEA. ML 4.3 (JER), 4.2 (BHL).
	22	17	38	16.1•	18.105	S	154.098	E	33	N	4.6		0.9	12	DENTRECASTEAUX ISLANDS REGION
	22	18	19	19.9	32.218	S	71.478	W	53		5.1		0.9	40	NEAR COAST OF CENTRAL CHILE. Felt (IV) at La Ligua, Los Andes, Quillota and Vina del Mar and (II) at Santiago.
	22	19	15	14.1	34.389	S	70.639	W	26		4.6		1.3	18	CHILE-ARGENTINA BORDER REGION
	22	19	23	57.7	25.685	S	70.129	E	10	G	5.2		0.9	40	MID-INDIAN RISE
	22	20	15	17.2•	21.957	N	111.524	E	33	N			0.9	5	EASTERN CHINA. MG 3.6 (GZH).
	22	20	59	14.1?	39.13	N	27.59	E	10	G			0.6	4	TURKEY
	22	21	13	20.7	34.674	N	29.978	E	12		4.0		1.3	25	EASTERN MEDITERRANEAN SEA
	22	23	17	05.4•	23.042	N	143.863	E	33	N	4.8		0.7	10	VOLCANO ISLANDS REGION

	23	00	24	29.5•	56.287	N	153.537	W	33	N	4.5		1.5	32	KODIAK ISLAND REGION. ML 4.2 (PMR).
	23	00	42	40.3•	30.329	S	73.067	W	48	•	4.6		1.1	18	OFF COAST OF CENTRAL CHILE
	23	01	45	10.3%	45.512	N	26.348	E	152	?			0.6	9	ROMANIA
	23	04	35	48.1	31.479	S	69.046	W	115		4.5		1.1	25	SAN JUAN PROVINCE, ARGENTINA
	23	05	48	28.4•	16.029	N	96.324	W	33	N			1.1	5	OAXACA, MEXICO
	23	05	56	19.7	7.489	S	128.589	E	137		5.5		1.1	122	BANDA SEA
	23	06	15	51.2&	36.632	N	121.292	W	3					17	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	23	06	19	46.2&	36.635	N	121.292	W	3					14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	23	06	49	56.7•	16.431	N	93.809	W	33	N			1.3	6	CHIAPAS, MEXICO
	23	08	27	12.0?	16.78	N	60.13	W	10	G			0.1	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	23	08	35	49.4?	39.11	N	27.68	E	10	G			0.1	4	TURKEY
	23	08	37	17.4•	7.104	N	76.421	W	33	N			0.5	6	NORTHERN COLOMBIA
	23	08	41	24.5	39.101	N	27.842	E	14				0.9	21	TURKEY. ML 3.9 (ATH).
	23	09	31	52.3•	17.013	S	72.829	W	33	N	4.2		1.3	12	NEAR COAST OF PERU
	23	10	14	37.7•	45.970	N	14.280	E	10	G			0.6	5	YUGOSLAVIA. MD 2.0 (TRI), ML 1.8 (KBA).
	23	10	51	05.6	10.066	S	154.145	E	33	N	4.8		0.8	19	DENTRECASTEAUX ISLANDS REGION
e	23	11	41	51.3	56.558	N	164.632	E	31	D	5.3	4.6	0.9	223	KOMANDORSKY ISLANDS REGION
	23	11	53	30.9•	10.047	S	154.178	E	33	N	4.8		1.1	12	DENTRECASTEAUX ISLANDS REGION
	23	12	26	57.6?	39.11	N	27.73	E	10	G			0.1	4	TURKEY
	23	12	39	50.8?	39.00	N	28.02	E	10	G			0.3	4	TURKEY
	23	13	03	11.6?	42.31	N	20.08	E	10	G			1.7	4	YUGOSLAVIA. ML 2.3 (TTG).
e	23	13	30	15.3	10.621	S	167.285	E	19	D	5.5	5.7	1.2	146	VANUATU ISLANDS
	23	14	41	15.1&	37.365	N	121.742	W	6					16	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=3.4•10••20 (BRK). Felt (II) at Cupertino and Mount Hamilton.
	23	15	16	19.4•	21.389	S	68.950	W	187	?	4.6		1.1	9	CHILE-BOLIVIA BORDER REGION
	23	16	42	39.4•	53.068	N	159.645	E	33	N	4.9		0.8	60	NEAR EAST COAST OF KAMCHATKA
	23	17	09	37.4	39.075	N	27.717	E	10	G			1.0	8	TURKEY
	23	18	11	26.2•	36.010	N	141.486	E	56	•	4.4		1.3	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
	23	18	50	59.7?	18.86	S	173.13	W	33	N	4.7		0.8	9	TONGA ISLANDS
	23	19	06	29.3•	20.699	S	68.978	W	33	N			1.0	6	CHILE-BOLIVIA BORDER REGION
	23	19	27	56.7&	36.068	N	121.880	W	17					22	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.9•10•21 (BRK). Felt (II) at Big Sur. Also felt at King City.
	23	20	13	34.6	20.007	N	121.063	E	48	•	4.5	4.5	1.3	35	PHILIPPINE ISLANDS REGION
	23	20	44	50.1•	37.881	N	20.102	E	10	G	4.0		1.1	17	IONIAN SEA. ML 3.6 (ATH).
	23	21	26	34.4	41.494	N	23.295	E	10	G			0.5	9	GREECE-BULGARIA BORDER REGION. ML 2.5 (THE).
	23	21	43	05.0•	44.580	N	129.685	W	10	G	4.1		0.9	18	OFF COAST OF OREGON
	24	00	38	38.9?	36.63	N	70.31	E	99	?	4.6		0.8	7	HINDU KUSH REGION
	24	01	14	15.1	39.056	N	27.821	E	10	G			0.6	6	TURKEY
	24	01	46	40.7	39.100	N	27.744	E	10	G			1.1	8	TURKEY
	24	01	49	16.4	39.051	N	27.818	E	10	G			0.9	6	TURKEY
	24	03	02	01.1•	39.652	N	23.489	E	10	G			0.6	9	AEGEAN SEA. ML 3.3 (THE).
	24	03	22	42.6•	32.665	S	71.560	W	10	G			0.3	9	NEAR COAST OF CENTRAL CHILE
	24	04	33	40.7?	31.21	S	179.24	W	223	?	4.6		1.0	12	KERMADEC ISLANDS REGION
	24	06	04	53.7	54.082	N	55.166	W	10	G	4.2	3.3	1.4	32	EAST OF LABRADOR. mbLg 4.7 (OTT).
	24	07	35	59.0•	30.421	S	71.193	W	111	•	4.3		1.2	12	NEAR COAST OF CENTRAL CHILE
	24	08	05	42.1?	32.06	S	71.47	W	33	N			0.4	7	NEAR COAST OF CENTRAL CHILE
	24	08	41	33.3	41.856	N	20.064	E	10	G			1.4	8	ALBANIA. ML 2.6 (TTG).
	24	10	17	12.8?	16.51	N	60.96	W	33	N			0.5	5	LEEWARD ISLANDS. ML 2.2 (FDF).
	24	10	46	30.1&	34.540	N	119.040	W	18					21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	24	11	39	56.9&	57.595	N	149.229	W	11					23	GULF OF ALASKA. <AGS-P>.
	24	11	54	30.9•	61.241	S	25.787	W	33	N	5.3		0.9	19	SOUTH SANDWICH ISLANDS REGION
	24	12	04	23.2•	28.359	N	140.684	E	33	N	4.9		1.2	35	BONIN ISLANDS REGION
	24	13	31	19.3•	8.292	S	107.225	E	33	N	3.9		1.0	13	JAVA
	24	14	16	11.3•	16.267	S	173.281	W	33	N	4.8		1.2	30	TONGA ISLANDS
e	24	14	19	37.5	13.630	S	173.055	E	620	D	5.4		0.8	171	FIJI ISLANDS REGION
	24	14	20	33.6	37.374	N	117.199	W	5	G			0.5	16	CALIFORNIA-NEVADA BORDER REGION. ML 4.3 (BRK).
	24	14	35	55.9	37.351	N	117.206	W	5	G			0.7	16	CALIFORNIA-NEVADA BORDER REGION. ML 4.3 (BRK).
	24	14	39	04.6	44.378	N	10.868	E	10	G	4.6		1.3	15	NORTHERN ITALY. ML 3.2 (KBA), 2.9 (LDG), MD 3.9 (FIR).
	24	15	26	47.2	55.956	S	26.824	W	33	N	5.3		0.9	21	SOUTH SANDWICH ISLANDS REGION
	24	15	32	26.7	44.003	N	114.755	W	5	G			0.5	9	WESTERN IDAHO. ML 3.7 (NEIS). Felt at Clayton.
	24	16	13	33.6	11.682	S	117.054	E	33	N	4.7		1.3	29	SOUTH OF SUMBAWA ISLAND
	24	16	18	18.2	58.410	S	23.137	W	33	N	5.1		1.1	31	SOUTH SANDWICH ISLANDS REGION
	24	16	29	30.1	6.185	S	146.861	E	130	•			0.8	9	EAST PAPUA NEW GUINEA REGION
	24	17	09	22.2•	22.758	N	108.052	W	33	N	4.7		1.1	40	OFF COAST OF CENTRAL MEXICO
	24	17	49	23.6•	9.847	S	118.809	E	33	N	4.4		1.1	11	SUMBAWA ISLAND REGION
	24	17	53	52.4•	0.661	N	120.813	E	72	•			0.5	11	MINAHASSA PENINSULA
	24	19	32	08.0%	47.825	N	5.621	E	10	G			1.3	5	FRANCE. ML 2.2 (LDG).
	24	19	35	57.3?	24.76	S	179.90	E	504	?	4.3		1.4	9	SOUTH OF FIJI ISLANDS
	24	20	19	48.1	40.752	N	27.487	E	10	G			1.4	11	TURKEY
	24	20	56	55.7?	51.48	N	16.07	E	10	G			0.9	11	POLAND. ML 3.7 (GRF), 3.6 (KBA), 3.6 (VKA).
	24	21	29	29.5•	41.747	N	23.690	E	10	G			1.5	5	GREECE-BULGARIA BORDER REGION
	24	21	35	21.8%	42.209	N	25.125	E	10	G			0.8	5	BULGARIA
	25	00	08	05.5&	59.883	N	153.234	W	118					17	SOUTHERN ALASKA. <AGS-P>.
	25	00	14	07.4•	21.992	S	174.084	W	33	N	5.1		1.4	19	TONGA ISLANDS
	25	00	55	40.3	14.875	S	171.523	E	633		5.2		1.0	108	VANUATU ISLANDS REGION
	25	05	05	15.0•	42.402	N	19.871	E	10	G			0.5	5	YUGOSLAVIA. ML 2.2 (TTG).
e	25	06	15	54.8	23.032	N	108.061	W	10	G	5.3	5.7	1.4	100	GULF OF CALIFORNIA. Ms 5.4 (BRK).
	25	06	31	47.4	36.792	N	8.827	W	33	N	4.8		1.1	30	WEST OF GIBRALTAR. Felt at Algarve, Portugal.
	25	08	26	08.5•	35.568	N	141.088	E	60	•	4.3		1.0	14	NEAR EAST COAST OF HONSHU, JAPAN
	25	08	45	42.7•	51.105	N	15.683	E	10	G			0.5	7	POLAND. ML 3.2 (KBA).
	25	09	00	13.7?	44.89	N	9.18	E	10	G			0.3	7	NORTHERN ITALY. ML 2.9 (KBA).
	25	11	04	59.2	2.973	S	139.627	E	33	N	4.8		1.3	44	NEAR N. COAST OF WEST IRIAN
	25	11	09	50.8•	11.180	S	164.434	E	33	N	5.1		1.1	18	SANTA CRUZ ISLANDS REGION
	25	11	11	28.7?	15.93	N	61.49	W	107	?			0.4	9	LEEWARD ISLANDS
	25	11	11	38.2	51.595	N	7.663	E	10	G			1.4	25	GERMANY. ML 3.3 (LDG), 3.1 (BNS). mbLg 2.7 (DOU).
	25	11	37	31.3?	11.25	S	164.50	E	33	N	4.3		1.2	8	SANTA CRUZ ISLANDS REGION
	25	12	45	31.3&	38.614	N	112.553	W	1					10	UTAH. <SLC-P>. ML 2.8 (NEIS).
	25	13	57	12.9?	21.36	S	172.40	E	33	N	4.7		0.8	8	LOYALTY ISLANDS REGION
	25	14	17	54.4?	41.07	N	20.99	E	11				0.2	7	ALBANIA
	25	14	18	29.2?	16.14	N	98.62	W	33	N			1.4	7	NEAR COAST OF GUERRERO, MEXICO
	25	14	29	42.1	20.498	S	177.870	W	543		4.9		1.0	35	FIJI ISLANDS REGION
	25	15	20	36.2?	39.23	N	27.88	E	10	G			0.9	4	TURKEY
	25	15	25	43.2?	33.19	N	140.57	E	160	•	4.1		0.5	6	SOUTH OF HONSHU, JAPAN

	25	15	25	49.0•	13.456	S	71.257	W	78	•	4.2		0.5	7	PERU. Felt (IV) at Cuzco.
	25	15	52	53.1&	35.713	N	121.227	W	7					12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	25	16	23	21.7	44.499	N	10.750	E	10	G			0.8	10	NORTHERN ITALY. ML 3.0 (KBA), 3.0 (LDG).
	25	18	25	23.0	46.651	N	1.425	E	14				1.1	18	FRANCE. ML 3.0 (LDG).
	25	18	25	45.7%	46.700	N	1.329	E	10	G			0.5	7	FRANCE. ML 2.8 (LDG).
	25	18	49	16.3?	36.97	N	22.25	E	10	G			0.6	6	SOUTHERN GREECE. ML 3.2 (ATH).
	25	19	20	09.9%	46.782	N	1.676	E	10	G			0.8	8	FRANCE. ML 2.4 (LDG).
o	25	20	06	12.5	3.677	N	126.777	E	45		5.6	5.6	1.2	169	TALAUD ISLANDS
	25	20	07	20.0	63.464	N	151.189	W	33	N	4.4		1.0	14	CENTRAL ALASKA. ML 3.8 (PWR).
	25	20	52	07.3	39.080	N	25.970	E	10	G			0.7	22	AEGEAN SEA. ML 3.5 (ATH).
	25	22	05	31.9•	39.065	N	27.895	E	10	G			0.2	5	TURKEY
	26	00	46	21.5?	20.10	S	178.43	W	563	?	4.2		0.7	12	FIJI ISLANDS REGION
	26	00	56	38.4?	19.01	S	178.83	W	500	•	4.1		0.4	15	FIJI ISLANDS REGION
	26	01	07	19.2	3.569	N	126.566	E	69	•	5.0		1.3	81	TALAUD ISLANDS
	26	01	49	34.3	42.408	N	13.297	E	10	G			1.1	29	CENTRAL ITALY. MD 3.8 (FIR), 3.8 (TRI). ML 3.3 (KBA).
	26	01	49	45.5?	1.45	N	127.11	E	144	?	4.7		1.1	11	HALMAHERA
	26	03	22	41.5	40.358	N	22.401	E	10	G			0.8	6	GREECE. ML 2.5 (THE).
	26	04	00	10.5•	47.346	N	9.125	E	10	G			0.3	6	GERMANY
	26	04	09	00.6?	48.02	N	9.23	E	10	G			0.8	7	GERMANY. ML 2.7 (LDG).
	26	04	09	10.6	54.086	N	165.294	W	33	N	5.0	4.1	0.9	122	FOX ISLANDS, ALEUTIAN ISLANDS
	26	05	27	12.3•	44.455	N	10.654	E	10	G			1.3	7	NORTHERN ITALY. ML 2.9 (KBA). MD 2.7 (TRI), 2.4 (FIR).
	26	07	31	46.7	9.917	N	122.198	E	35	•	4.8		1.1	46	NEGROS, PHILIPPINE ISLANDS
	26	08	41	59.3	41.759	N	23.717	E	10	G			0.8	13	GREECE-BULGARIA BORDER REGION. ML 2.7 (THE).
	26	09	28	33.8?	39.24	N	27.66	E	10	G			0.1	4	TURKEY
	26	09	36	20.9%	39.613	N	29.425	E	10	G			0.6	5	TURKEY
	26	10	36	16.9?	21.84	S	171.65	W	33	N	5.1		0.7	8	TONGA ISLANDS REGION
	26	12	23	20.3?	18.55	N	119.48	E	33	N	4.1		1.0	7	PHILIPPINE ISLANDS REGION
	26	13	13	40.4•	34.683	S	183.419	W	10	G	4.5		0.6	17	WEST CHILE RISE
	26	13	27	05.3•	17.288	S	177.875	W	396	•	5.1		1.0	29	FIJI ISLANDS REGION
	26	14	27	07.2&	59.953	N	153.424	W	130					20	SOUTHERN ALASKA. <AGS-P>.
	26	17	27	08.4?	51.66	N	16.38	E	10	G			0.8	6	POLAND
	26	17	59	52.0•	38.851	N	27.359	E	10	G			0.3	5	TURKEY
	26	18	12	20.0	34.262	N	26.192	E	39		4.5	3.6	1.2	119	CRETE. ML 4.7 (ATH).
	26	19	02	06.8	40.119	N	24.770	E	10				0.7	16	AEGEAN SEA. ML 3.3 (THE).
	26	20	18	06.7	46.427	N	2.528	E	12				0.3	12	FRANCE. ML 2.6 (LDG).
	26	20	29	35.0	52.774	N	162.635	E	38	D	4.9		0.9	111	OFF EAST COAST OF KAMCHATKA
	26	20	30	59.9?	16.89	N	101.33	W	33	N			1.0	7	NEAR COAST OF GUERRERO, MEXICO
	26	20	41	57.9	39.081	N	27.716	E	10	G			0.8	8	TURKEY
	26	21	04	52.2•	49.002	N	128.727	W	10	G	4.3		0.9	17	VANCOUVER ISLAND REGION
	26	21	28	08.5	44.016	N	114.750	W	5	G			1.0	14	WESTERN IDAHO. ML 4.3 (NEIS). Felt (IV) at Clayton and Stanley.
	26	21	45	49.9•	42.401	N	20.034	E	10	G			1.5	6	YUGOSLAVIA. ML 2.8 (TTG).
	26	21	49	30.0&	40.212	N	124.258	W	7					3	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
	26	21	52	42.2&	40.172	N	124.368	W	10					3	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	26	21	55	01.5?	37.29	N	22.26	E	33	N			1.2	5	SOUTHERN GREECE. ML 3.2 (ATH).
	26	22	25	03.5•	24.945	N	127.965	E	33	N	4.3		1.5	15	RYUKYU ISLANDS REGION
	26	22	39	55.4	7.818	N	126.703	E	64	•	4.8		1.0	28	MINDANAO, PHILIPPINE ISLANDS
	26	22	48	57.9	44.043	N	114.756	W	5	G	4.6		0.9	19	WESTERN IDAHO. ML 4.5 (NEIS). Felt at Clayton and Ketchum.
	26	22	58	04.8	40.075	N	24.745	E	10	G			0.6	15	AEGEAN SEA
	26	22	56	15.3	39.109	N	27.762	E	10	G			0.3	8	TURKEY
	26	23	32	27.5•	8.643	S	149.047	E	122	•	3.9		1.3	9	EAST PAPUA NEW GUINEA REGION
	26	23	56	14.5%	46.475	N	2.495	E	10	G			0.4	10	FRANCE. ML 2.0 (LDG).
	26	23	57	29.7%	46.423	N	2.510	E	10	G			0.5	11	FRANCE. ML 2.3 (LDG).
	27	00	02	35.0?	15.24	S	173.80	W	33	N	4.6		0.6	7	TONGA ISLANDS
	27	02	31	24.2	7.957	N	77.983	W	33	N	4.7	3.5	0.9	11	PANAMA-COLOMBIA BORDER REGION
	27	02	34	31.9?	13.87	N	92.78	W	33	N	4.6	3.6	1.2	18	OFF COAST OF CHIAPAS, MEXICO
	27	03	41	38.4•	33.940	S	70.631	W	10	G			0.3	6	CHILE-ARGENTINA BORDER REGION
	27	04	58	15.9	4.188	S	37.681	E	10	G	4.7		1.0	32	TANZANIA
	27	06	10	39.6	8.966	S	123.225	E	33	N	4.8		1.1	22	FLORES ISLAND REGION
	27	07	06	30.5&	40.527	N	126.000	W	5	G				6	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK).
	27	07	45	00.2?	5.37	S	145.09	E	154	?	4.5		0.1	5	EAST PAPUA NEW GUINEA REGION
	27	08	15	00.1•	43.543	N	0.589	W	10	G			0.9	11	PYRENEES. ML 3.3 (LDG).
	27	08	58	47.8•	46.549	N	9.812	E	10	G			1.1	6	SWITZERLAND
	27	09	36	34.9	22.404	N	121.092	E	19	•	4.4		1.3	31	TAIWAN REGION
	27	10	37	23.2	9.921	S	120.525	E	33	N	4.8		1.1	23	SUMBA ISLAND REGION
	27	11	26	51.4?	5.70	S	151.14	E	94	?	3.9		1.1	7	NEW BRITAIN REGION
	27	11	32	47.5•	34.491	N	91.753	E	33	N	3.8	4.3	1.5	13	QINGHAI PROVINCE, CHINA
	27	11	51	40.9?	62.63	N	124.81	W	10	G	4.7		1.6	6	NORTHWEST TERRITORIES, CANADA
	27	12	25	03.5?	52.24	N	170.97	W	33	N	4.5		1.1	9	FOX ISLANDS, ALEUTIAN ISLANDS
	27	12	47	35.3•	67.835	N	161.888	W	33	N			0.8	8	ALASKA. ML 3.0 (PWR).
	27	13	02	01.7•	44.017	N	114.780	W	5	G			0.8	9	WESTERN IDAHO. ML 3.3 (NEIS).
	27	13	43	14.0•	54.333	S	1.093	W	10	G	5.3		1.0	17	BOUVET ISLAND REGION
	27	14	05	40.5%	16.234	N	61.713	W	10	G			0.3	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	27	15	18	03.0•	7.004	N	76.389	W	33	N			1.1	5	NORTHERN COLOMBIA
	27	17	11	52.9?	23.45	N	123.66	E	33	N			1.4	7	SOUTHWESTERN RYUKYU ISLANDS
	27	17	23	22.9?	16.83	N	61.72	W	33	N			1.2	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	27	17	28	09.7•	13.772	S	167.206	E	276	•	4.8		1.2	55	VANUATU ISLANDS
	27	17	47	37.6?	23.53	S	115.65	W	10	G	4.8	4.1	1.2	8	EASTER ISLAND CORDILLERA
	27	18	18	26.3?	5.19	S	138.77	E	33	N	3.5		1.0	7	NEAR S. COAST OF WEST IRIAN
	27	18	45	20.7•	4.338	N	96.763	E	50	?	4.5		1.1	15	NORTHERN SUMATERA
	27	18	56	17.7•	44.055	N	114.781	W	5	G			1.1	10	WESTERN IDAHO. ML 3.3 (NEIS).
	27	18	59	09.1•	43.948	N	114.770	W	5	G			0.5	9	WESTERN IDAHO. ML 3.8 (NEIS).
	27	19	38	42.1	27.867	N	142.777	E	30		5.1	4.3	0.8	111	BONIN ISLANDS REGION
	27	20	28	09.8&	32.960	N	117.790	W	10					6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	27	21	04	43.8	27.648	N	55.917	E	53	•	4.4		1.3	14	SOUTHERN IRAN
	27	21	22	21.9•	33.908	N	24.894	E	33	N	3.8		0.8	9	MEDITERRANEAN SEA
	27	23	48	47.6•	3.785	N	126.439	E	84	•	4.7		0.9	18	TALAUD ISLANDS
	28	00	00	01.7?	51.28	N	175.39	W	33	N	4.1		1.2	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	28	00	02	44.7	20.643	N	122.226	E	29	•	4.7		1.2	63	PHILIPPINE ISLANDS REGION
	28	00	31	35.0	39.872	N	27.763	E	10	G			0.6	12	TURKEY
	28	00	42	32.7%	17.389	S	179.133	E	33	N			1.5	6	FIJI ISLANDS
	28	00	51	03.9?	41.57	N	18.91	E	10	G			0.2	4	ADRIATIC SEA. ML 2.3 (TTG).

	28	01 38 40.4?	7.72	S	128.01	E	173 ?			1.0	5	BANDA SEA
	28	02 50 35.9%	45.114	N	0.286	W	10 G			1.0	10	FRANCE. ML 2.8 (LDG).
	28	04 12 56.6	19.068	N	69.526	W	36	4.9	4.4	0.9	103	DOMINICAN REPUBLIC REGION
	28	04 25 44.6?	37.55	N	21.15	E	10 G			0.3	5	SOUTHERN GREECE. ML 3.5 (ATH).
	28	05 01 53.9•	21.112	S	68.632	W	33 N			1.1	6	CHILE-BOLIVIA BORDER REGION
	28	06 14 35.0?	21.01	S	174.15	W	33 N	4.7		1.4	26	TONGA ISLANDS
	28	06 49 29.8?	37.09	S	72.77	W	33 N	4.0	3.3	0.4	13	CENTRAL CHILE
	28	07 06 26.6&	34.018	N	116.580	W	10				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (IV) at Morongo Valley.
	28	07 20 12.5?	33.44	S	72.61	W	33 N			0.3	8	OFF COAST OF CENTRAL CHILE
	28	08 11 25.4?	33.73	S	72.13	W	33 N			0.6	8	OFF COAST OF CENTRAL CHILE
	28	08 12 04.5•	37.220	N	141.438	E	84 •	4.1		1.0	12	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Fukushima, Mito, Onahama, Sendai and Utsunomiya.
	28	08 50 28.6	54.759	N	164.444	W	110 •	4.7		1.0	53	UNIMAK ISLAND REGION
	28	09 31 00.2	42.750	N	19.130	E	10 G			0.7	6	YUGOSLAVIA. ML 2.1 (TTG).
	28	10 13 27.7	4.065	N	83.336	W	10 G			1.3	6	OFF COAST OF CENTRAL AMERICA
	28	10 28 47.8?	33.44	S	72.84	W	33 N			0.4	8	OFF COAST OF CENTRAL CHILE
	28	10 41 48.8&	59.782	N	152.320	W	61				39	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Homer.
	28	11 17 32.6?	39.69	N	20.43	E	10 G			0.3	10	GREECE-ALBANIA BORDER REGION. ML 3.2 (THE).
	28	11 23 43.8•	51.832	N	175.175	W	33 N	4.1		0.9	20	ANDREANOF ISLANDS, ALEUTIAN IS.
	28	13 43 27.7?	42.37	N	19.07	E	10 G			0.7	4	YUGOSLAVIA. ML 2.2 (TTG).
	28	13 47 55.5•	27.815	N	142.853	E	33 N			0.9	12	BONIN ISLANDS REGION
	28	14 08 35.9?	6.32	S	114.33	E	571 ?	4.1		0.9	9	BALI SEA
	28	14 50 59.7?	33.61	S	71.93	W	33 N			0.9	8	NEAR COAST OF CENTRAL CHILE
	28	14 54 03.0•	9.817	S	120.884	E	33 N	4.2		1.2	17	SUMBA ISLAND REGION
	28	16 59 01.1	43.883	N	147.878	E	38	4.7		0.9	61	KURIL ISLANDS
	28	20 25 48.0•	24.015	N	122.584	E	27 •	4.5		1.5	21	TAIWAN REGION
	28	21 37 49.2•	10.638	N	57.883	E	10 G	4.6		1.3	21	CARLSBERG RIDGE
	28	23 17 34.5•	35.266	N	140.099	E	73 •			0.5	9	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro, Tateyama, Tokyo and Yokohama.
	29	00 00 28.5•	62.131	N	125.368	W	10 G			1.1	6	NORTHWEST TERRITORIES, CANADA
	29	00 02 21.8	40.586	N	23.155	E	10 G			0.8	11	GREECE. ML 2.8 (THE).
	29	00 29 41.1	33.424	S	72.099	W	46 •	4.7		1.0	31	OFF COAST OF CENTRAL CHILE
	29	00 37 00.5•	33.437	S	72.256	W	40 •	4.6		0.8	17	OFF COAST OF CENTRAL CHILE
	29	01 04 10.7•	11.185	S	164.732	E	33 N	4.5		1.3	9	SANTA CRUZ ISLANDS REGION
	29	01 14 15.4	40.321	N	27.391	E	12			0.4	11	TURKEY
	29	01 33 31.2	56.483	N	5.857	W	10 G			0.7	15	UNITED KINGDOM. ML 4.2 (BGS). Felt (V) at Oban. Felt throughout western Scotland.
	29	03 01 36.8&	58.888	N	151.742	W	65				19	KODIAK ISLAND REGION. <AGS-P>.
	29	03 20 07.8•	33.548	S	71.387	W	33 N			1.0	8	NEAR COAST OF CENTRAL CHILE
	29	05 48 06.2?	13.82	N	92.63	W	55 ?	4.3	3.3	1.4	13	OFF COAST OF CHIAPAS, MEXICO
	29	06 17 32.0	37.514	N	118.398	W	10 G			0.8	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (PAS).
a	29	06 31 31.9	14.032	S	167.255	E	120	5.5		0.9	129	VANUATU ISLANDS
a	29	07 10 37.5	10.633	N	57.668	E	10 G	5.2	4.9	1.1	103	CARLSBERG RIDGE
	29	10 24 36.2%	39.646	N	28.894	E	10 G			1.3	5	TURKEY
	29	10 41 23.4	24.888	S	179.962	E	492 •	4.8		1.2	47	SOUTH OF FIJI ISLANDS
	29	12 20 44.2	51.326	N	174.969	W	33 N	5.0	4.5	1.0	127	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR). Felt (III) on Adak.
	29	12 43 25.8?	53.31	N	159.21	E	33 N	4.5		0.6	11	NEAR EAST COAST OF KAMCHATKA
	29	14 17 44.0•	6.086	S	129.857	E	150 ?	4.0		1.5	9	BANDA SEA
	29	14 22 37.9?	31.48	S	69.21	W	33 N			1.1	7	SAN JUAN PROVINCE, ARGENTINA
	29	14 38 43.1•	9.722	N	57.857	E	10 G	4.7		1.4	36	CARLSBERG RIDGE
	29	15 20 18.5	37.653	N	118.413	W	5 G			0.8	14	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (NEIS).
	29	15 39 56.4	10.602	N	57.049	E	10 G	5.0		0.9	75	CARLSBERG RIDGE
	29	16 06 22.1	10.720	N	57.002	E	10 G	4.7		1.0	39	CARLSBERG RIDGE
	29	16 42 48.3?	42.37	N	18.92	E	10 G			1.0	4	YUGOSLAVIA. ML 2.0 (TTG).
	29	17 13 34.1&	58.805	N	156.656	W	217				30	ALASKA PENINSULA. <AGS-P>.
	29	17 38 03.9	39.091	N	27.864	E	11			0.9	21	TURKEY
	29	17 42 03.1•	37.880	N	29.343	E	10 G			0.7	5	TURKEY
	29	18 51 23.5	39.069	N	27.836	E	11			0.6	13	TURKEY
	29	20 38 23.3?	5.43	S	150.84	E	171 •	4.1		0.7	7	NEW BRITAIN REGION
	29	20 54 42.5•	7.668	S	119.491	E	287 •	4.4		0.9	10	FLORES SEA
	29	21 35 46.1•	44.272	N	17.794	E	10 G			1.2	8	YUGOSLAVIA. ML 2.8 (TTG).
	29	21 57 20.7	30.687	S	117.200	E	10 G			0.9	6	WESTERN AUSTRALIA
	29	23 03 36.4•	39.061	N	27.853	E	10 G			0.9	5	TURKEY
	29	23 30 44.7	30.969	S	69.284	W	33 N			1.2	14	CHILE-ARGENTINA BORDER REGION
	30	00 01 56.0	23.473	N	94.022	E	69 •	4.5		1.4	18	BURMA-INDIA BORDER REGION
	30	00 18 42.2&	35.900	N	117.660	W	6 G				3	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	30	00 26 28.4•	15.008	N	119.972	E	33 N			0.8	5	LUZON, PHILIPPINE ISLANDS
	30	04 11 39.6•	66.402	N	149.772	W	10 G			1.5	8	ALASKA. ML 3.6 (PMR).
	30	05 04 35.9	34.738	N	24.223	E	47 •	4.2		1.2	55	CRETE
	30	07 19 27.5	16.447	S	177.785	W	26 •	4.7		1.2	17	FIJI ISLANDS REGION
	30	07 23 57.4	39.032	N	21.412	E	10 G	4.2		0.7	19	GREECE. ML 3.6 (ATH), 3.4 (THE).
	30	08 07 09.5•	17.252	N	84.765	W	10 G	4.5		1.0	14	CARIBBEAN SEA
	30	09 42 48.4&	62.453	N	150.678	W	74				29	CENTRAL ALASKA. <AGS-P>.
	30	09 52 11.8&	32.980	N	117.880	W	10				25	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.9 (PAS). Felt (IV) at Lakeside and Pala, (III) at Avalon, Escondido, Laguna Hills, Mission Viejo, San Luis Rey, San Marcos and Vista, California.
	30	10 52 05.5•	16.249	S	177.699	W	33 N	4.7	4.8	1.2	17	FIJI ISLANDS REGION
	30	11 54 51.1	65.700	N	152.435	W	33 N	4.4		0.8	8	ALASKA. ML 3.6 (PMR).
	30	12 00 04.2	65.739	N	152.273	W	33 N			0.5	9	ALASKA. ML 3.0 (PMR).
	30	12 37 07.3	13.854	N	120.670	E	130	4.8		0.6	43	MINDORO, PHILIPPINE ISLANDS. Felt (II RF) at Puerto Galera.
	30	13 58 48.3?	9.83	S	160.89	E	33 N	4.4		1.5	7	SOLOMON ISLANDS
	30	15 58 14.9•	16.635	S	73.792	W	58 •	4.2		1.5	14	NEAR COAST OF PERU
	30	16 07 35.9	21.812	S	68.338	W	127 •	4.7		1.2	25	CHILE-BOLIVIA BORDER REGION
	30	16 11 53.5	43.998	N	113.942	W	5 G			0.4	8	EASTERN IDAHO. ML 3.6 (NEIS).
	30	17 05 50.6	39.083	N	27.765	E	10 G			0.6	6	TURKEY
	30	17 15 48.1	44.228	N	10.188	E	10 G			1.4	17	NORTHERN ITALY. ML 3.1 (LDG), 3.1 (KBA). MD 3.0 (FIR).
	30	17 16 25.8•	6.837	N	73.169	W	161 •	4.6		1.4	10	NORTHERN COLOMBIA
	30	17 24 35.1•	39.085	N	27.721	E	10 G			1.5	6	TURKEY
	30	18 36 47.8	39.059	N	27.682	E	10 G			1.0	6	TURKEY

30	18 56 56.2*	16.617 N	97.919 W	33 N	4.5		0.8	7	OAXACA, MEXICO. Felt slightly at Puebla.
30	20 15 43.4*	42.316 N	19.389 E	10 G			0.1	5	YUGOSLAVIA. ML 2.1 (TTG).
30	20 47 37.4*	38.812 N	23.488 E	10 G			0.6	6	GREECE. ML 2.9 (ATH).
30	20 55 44.17	16.32 S	179.26 W	549	3.7		0.5	9	FIJI ISLANDS REGION
30	21 15 05.0	39.888 N	27.828 E	10 G			0.8	18	TURKEY
30	22 30 00.1&	37.300 N	116.307 W	0	5.5	4.5		218	SOUTHERN NEVADA. <DOE>. ML 5.2 (BRK). 37° 18' 00.28" N., 116° 18' 26.74" W., Surface Elev. 2127 m., Depth of Burial 600 m., Shot Time 223000.102, "LABQUARK", Nevada Test Site (Dept. of Energy).
30	22 53 49.8*	36.364 N	40.361 E	10 G			0.5	5	JORDAN - SYRIA REGION
30	23 03 05.5*	29.635 N	141.980 E	33 N	5.2		0.7	15	SOUTH OF HONSHU, JAPAN
30	23 24 58.1*	39.062 N	27.928 E	10 G			1.1	5	TURKEY
30	23 52 19.0*	4.495 N	96.515 E	58 T	4.8		1.3	6	NORTHERN SUMATERA

A D D I T I O N A L S O U R C E P A R A M E T E R S

05 02 47 17.77 59.493S 29.529W 28km
5.8mb (17 obs.) 5.9Msz (17 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 33 Dip=85 Slip= 170
NP2: 127 81 25
Principal Axes:
T Plg=24 Azm=353
P 11 258
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 49C
Centroid Location:
Origin Time 02:47:23.1 0.2
Lat 59.31S 0.02 Lon 29.56W 0.04
Dep 15.0 FIX Half-duration 4.3
Principal Axes:
Scale 10**25 D-CM
T Val= 1.79 Plg= 9 Azm=289
N 0.08 78 43
P -1.87 18 196
Best Double Couple:Mo=1.8*10**25
NP1:Strike=334 Dip=71 Slip=-173
NP2: 242 83 -19

05 06 06 15.58 37.073S 71.814W 93km
5.6mb (27 obs.)
S. CHILE-ARGENTINA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 06:06:20.2 0.6
Lat 37.05S 0.07 Lon 72.53W 0.13
Dep 80.5 9.7 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 11.37 Plg=42 Azm=111
N 0.60 24 226
P -11.97 38 336
Best Double Couple:Mo=1.2*10**24
NP1:Strike=129 Dip=24 Slip= 174
NP2: 225 88 66

06 00 11 05.55 15.775S 177.935W 439km
5.0mb (27 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 00:11:11.4 0.6
Lat 15.60S 0.05 Lon 177.85W 0.05
Dep 435.8 2.5 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.27 Plg=79 Azm= 27
N -0.10 4 277
P -1.16 10 187
Best Double Couple:Mo=1.2*10**24
NP1:Strike=272 Dip=35 Slip= 84
NP2: 100 55 94

06 08 52 25.59 23.280S 176.745W 122km
5.6mb (39 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 08:52:31.4 0.5
Lat 23.15S 0.05 Lon 176.86W 0.06
Dep 128.8 2.2 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.31 Plg=21 Azm=101
N 0.37 3 10
P -1.68 68 273
Best Double Couple:Mo=1.5*10**24
NP1:Strike=197 Dip=24 Slip= -83
NP2: 9 67 -93

06 20 04 23.77 20.669S 178.457W 587km
5.5mb (47 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 20:04:30.9 0.4
Lat 20.43S 0.04 Lon 178.78W 0.04
Dep 593.2 2.1 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 3.64 Plg=35 Azm=111
N 0.31 5 204
P -3.95 55 301
Best Double Couple:Mo=3.8*10**24
NP1:Strike=178 Dip=11 Slip=-117
NP2: 25 80 -85

07 01 44 19.93 12.824S 169.518E 665km
4.9mb (18 obs.)
SANTA CRUZ ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 14C
Centroid Location:
Origin Time 01:44:23.9 1.6
Lat 12.88S 0.12 Lon 169.80E 0.13
Dep 671.4 6.7 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 7.49 Plg=18 Azm=304
N 0.77 7 36
P -8.26 71 147
Best Double Couple:Mo=7.9*10**23
NP1:Strike= 23 Dip=28 Slip=-105
NP2: 220 63 -82

07 20 11 08.87 59.542S 26.898W 33km
5.4mb (14 obs.) 5.0Msz (4 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 29C
Centroid Location:
Origin Time 20:11:16.2 0.3
Lat 59.90S 0.05 Lon 26.42W 0.10
Dep 15.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.77 Plg=61 Azm=234
N -0.01 20 3
P -2.75 21 101
Best Double Couple:Mo=2.8*10**24
NP1:Strike=222 Dip=29 Slip= 133
NP2: 356 69 69

08 02 39 52.44 4.417N 96.370E 48km
5.2mb (42 obs.) 5.1Msz (6 obs.)
NORTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 17C
Centroid Location:
Origin Time 02:39:54.1 0.6
Lat 4.74N 0.08 Lon 96.09E 0.08
Dep 21.9 8.1 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.48 Plg=25 Azm= 78
N -0.20 64 243
P -1.28 8 345
Best Double Couple:Mo=1.4*10**24
NP1:Strike=118 Dip=88 Slip= 166
NP2: 214 77 22

09 15 58 22.59 0.927N 127.944E 33km
5.5mb (29 obs.) 5.3Msz (10 obs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 15:58:26.0 0.5
Lat 0.98N 0.05 Lon 128.03E 0.07
Dep 15.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.75 Plg=15 Azm= 0
N -0.20 3 91
P -2.55 75 193
Best Double Couple:Mo=2.6*10**24
NP1:Strike= 85 Dip=30 Slip= -97
NP2: 273 60 -86

10 22 20 48.57 8.823S 157.522E 10km
5.5mb (15 obs.) 5.2Msz (2 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 22:20:56.5 0.3
Lat 8.86S 0.05 Lon 157.35E 0.05
Dep 15.4 2.7 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 2.90 Plg=64 Azm= 54
N -0.04 2 149
P -2.86 26 240
Best Double Couple:Mo=2.9*10**24
NP1:Strike=335 Dip=19 Slip= 96
NP2: 148 71 88

11 00 18 25.59 5.187S 152.442E 51km
5.8mb (44 obs.) 6.4Msz (28 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 95 Dip=70 Slip= 87
NP2: 284 20 98
Principal Axes:
T Plg=65 Azm=360
P 25 187
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 12
Principal Axes:
Scale 10**25 d-cm
T Val= 5.29 Plg=59 Azm= 34
N 0.21 21 265
P -5.50 22 166
Best Double Couple:Mo=5.4*10**25
NP1:Strike=223 Dip=29 Slip= 44
NP2: 93 70 112
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 21S, 55C M.W.: 10S, 23C
Centroid Location:
Origin Time 00:18:20.2 0.1
Lat 5.33S 0.02 Lon 152.58E 0.02
Dep 24.8 0.9 Half-duration 5.7
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	6.30	58	337
N	-0.89	4	73
P	-5.29	32	165

Best Double Couple:Mo=6.3*10**25
NP1:Strike=268 Dip=13 Slip= 106
NP2: 72 77 86

11 17 54 03.83 0.474N 125.862E 33km
5.4mb (29 obs.) 5.0Msz (7 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 21C
Centroid Location:
Origin Time 17:54: 8.0 0.3
Lat 0.44N 0.07 Lon 125.37E 0.07
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	5.96	54	91
N	0.52	5	188
P	-6.48	35	282

Best Double Couple:Mo=6.2*10**24
NP1:Strike= 35 Dip=11 Slip= 117
NP2: 188 80 85

12 18 39 40.62 22.510S 70.176W 80km
5.1mb (19 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 18:39:47.0 0.6
Lat 21.88S 0.11 Lon 70.96W 0.08
Dep 108.8 5.0 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	7.23	20	105
N	-1.70	7	13
P	-5.53	69	264

Best Double Couple:Mo=6.4*10**23
NP1:Strike=207 Dip=26 Slip= -74
NP2: 9 65 -98

12 16 18 48.29 5.387S 153.748E 59km
5.2mb (28 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 16:18:54.0 0.6
Lat 5.40S 0.08 Lon 153.30E 0.08
Dep 64.3 5.7 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	6.18	79	326
N	0.80	11	142
P	-6.98	1	232

Best Double Couple:Mo=6.6*10**23
NP1:Strike=333 Dip=45 Slip= 105
NP2: 132 47 75

12 23 57 15.61 56.201N 153.405W 31km
6.1mb (112 obs.) 6.3Msz (39 obs.)
KODIAK ISLAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 27 Dip=80 Slip= 37
NP2: 298 54 168
Principal Axes:

	Plg=	Azm=
T	33	255
P	17	153

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 16
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	7.34	31	223
N	-1.08	59	37
P	-6.26	3	131

Best Double Couple:Mo=6.8*10**25
NP1:Strike=283 Dip=67 Slip= 159
NP2: 1 70 25
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 40C
Centroid Location:
Origin Time 23:57:21.1 0.3
Lat 55.90N 0.05 Lon 153.65W 0.09
Dep 15.0 FIX Half-duration 6.6
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	5.95	49	316
N	0.23	6	53
P	-6.18	40	148

Best Double Couple:Mo=6.1*10**25
NP1:Strike=289 Dip= 8 Slip= 146
NP2: 52 86 84

13 09 28 24.46 60.797S 36.779W 10km
5.8mb (28 obs.) 6.1Msz (12 obs.)
SCOTIA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=348 Dip=85 Slip= 147
NP2: 73 57 6
Principal Axes:

	Plg=	Azm=
T	26	291
P	19	31

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 27 No. of sta: 7
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	3.02	38	293
N	0.08	44	156
P	-3.10	23	42

Best Double Couple:Mo=3.1*10**25
NP1:Strike= 83 Dip=45 Slip= 13
NP2: 344 81 134
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C M.W.: 9S, 21C
Centroid Location:
Origin Time 09:28:30.8 0.2
Lat 61.11S 0.01 Lon 36.46W 0.03
Dep 15.0 FIX Half-duration 5.6
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	3.83	5	324
N	-0.25	79	207
P	-3.58	9	55

Best Double Couple:Mo=3.7*10**25
NP1:Strike= 99 Dip=88 Slip= -3
NP2: 190 87 -170

13 15 17 21.01 31.827S 179.937W 215km
5.9mb (40 obs.)
KERMADEC ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=178 Dip=50 Slip=-130
NP2: 51 54 -53
Principal Axes:

	Plg=	Azm=
T	2	115
P	68	21

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 219 No. of sta: 13
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	6.51	4	116
N	0.09	26	208
P	-6.60	63	19

Best Double Couple:Mo=6.6*10**25
NP1:Strike=181 Dip=47 Slip=-127
NP2: 49 54 -57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 40C M.W.: 11S, 27C
Centroid Location:
Origin Time 15:17:30.4 0.1
Lat 31.73S 0.01 Lon 179.94W 0.01
Dep 231.0 0.5 Half-duration 6.0
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	5.83	2	282
N	0.18	35	190
P	-6.01	55	15

Best Double Couple:Mo=5.9*10**25
NP1:Strike= 42 Dip=53 Slip= -44
NP2: 162 57 -134

13 17 24 31.49 37.014N 22.176E 11km
6.0mb (100 obs.) 5.8Msz (18 obs.)
SOUTHERN GREECE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=205 Dip=58 Slip= -68
NP2: 353 45 -114
Principal Axes:

	Plg=	Azm=
T	3	288
P	73	181

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 10
Principal Axes:
Scale 10**24 d-cm

	Val=	Plg=	Azm=
T	6.39	18	85
N	0.46	23	351
P	-6.85	65	196

Best Double Couple:Mo=6.6*10**24
NP1:Strike=200 Dip=41 Slip= -53
NP2: 335 58 -117
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 17:24:34.6 0.4
Lat 36.88N 0.08 Lon 22.64E 0.08
Dep 15.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	9.69	6	287
N	0.24	28	20
P	-9.94	62	187

Best Double Couple:Mo=9.8*10**24
NP1:Strike=350 Dip=46 Slip=-130
NP2: 221 56 -58

14 00 05 54.51 23.368S 179.102E 549km
5.2mb (29 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 00:06: 0.0 0.7
Lat 23.16S 0.12 Lon 178.85E 0.10
Dep 571.3 4.0 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.86	2	238
N	-0.04	28	329
P	-1.82	62	144

Best Double Couple:Mo=1.8*10**24
NP1:Strike=302 Dip=50 Slip=-128
NP2: 172 53 -54

14 20 58 23.19 6.470S 154.916E 59km
5.6mb (39 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 20:58:28.2 0.2
Lat 6.81S 0.03 Lon 154.86E 0.03
Dep 59.8 2.1 Half-duration 4.2
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	1.49	71	89
N	0.34	14	311
P	-1.83	12	218

Best Double Couple:Mo=1.7*10**25
NP1:Strike=290 Dip=35 Slip= 65
NP2: 140 59 107

15 08 48 11.44 22.748S 175.288W 33km
5.7mb (48 obs.) 5.8Msz (14 obs.)
TONGA ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 38 Dip=77 Slip= 98

NP2: 219 13 98
Principal Axes:
T Plg=58 Azm=368
P 32 120
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 7 No. of sta: 10
Principal Axes:
Scale 10**24 d-cm
T Val= 6.75 Plg=56 Azm=288
N -0.35 5 25
P -6.40 33 118
Best Double Couple:Mo=6.6*10**24
NP1:Strike=228 Dip=13 Slip= 113
NP2: 24 78 85
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 08:48:16.1 0.4
Lat 23.03S 0.03 Lon 174.78W 0.04
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM
T Val= 5.17 Plg=68 Azm=258
N 0.42 11 17
P -5.59 18 110
Best Double Couple:Mo=5.4*10**24
NP1:Strike=218 Dip=28 Slip= 114
NP2: 11 64 78

15 21 42 29.29 36.714N 71.092E 89km
5.8mb (128 obs.)
AFGHANISTAN-USSR BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=210 Dip=73 Slip= 20
NP2: 114 71 162
Principal Axes:
T Plg=26 Azm= 72
P 1 342
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 77 No. of sta: 14
Principal Axes:
Scale 10**24 d-cm
T Val= 2.60 Plg=30 Azm= 74
N 0.07 59 236
P -2.66 8 339
Best Double Couple:Mo=2.6*10**24
NP1:Strike=113 Dip=63 Slip= 164
NP2: 210 75 28
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 21:42:33.6 0.3
Lat 36.52N 0.04 Lon 70.56E 0.05
Dep 105.3 2.5 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 2.82 Plg=56 Azm= 98
N -0.02 28 240
P -2.81 18 340
Best Double Couple:Mo=2.8*10**24
NP1:Strike=105 Dip=37 Slip= 142
NP2: 228 68 60

16 08 57 10.70 12.353S 166.595E 135km
5.5mb (21 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 18C
Centroid Location:
Origin Time 08:57:12.6 0.5
Lat 12.44S 0.08 Lon 166.28E 0.06
Dep 117.6 3.2 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 0.85 Plg=68 Azm=193
N 0.32 20 351
P -1.17 7 84
Best Double Couple:Mo=1.0*10**24
NP1:Strike=196 Dip=42 Slip= 121
NP2: 336 55 65

16 18 20 17.75 19.376N 146.381E 48km
6.5mb (144 obs.) 6.7Msz (56 obs.)
MARIANA ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=187 Dip=67 Slip= -90
NP2: 287 23 -90
Principal Axes:
T Plg=22 Azm=197
P 68 17
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 38 No. of sta: 13
Principal Axes:
Scale 10**26 d-cm
T Val= 1.21 Plg=18 Azm=201
N -0.06 3 292
P -1.15 72 32
Best Double Couple:Mo=1.2*10**26
NP1:Strike=286 Dip=27 Slip= -97
NP2: 114 63 -86
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C M.W.: 11S, 25C
Centroid Location:
Origin Time 18:20:23.9 0.1
Lat 19.29N 0.02 Lon 146.47E 0.02
Dep 31.5 0.8 Half-duration 7.8
Principal Axes:
Scale 10**25 D-CM
T Val= 9.32 Plg=13 Azm=230
N 0.39 25 134
P -9.71 61 345
Best Double Couple:Mo=9.5*10**25
NP1:Strike=349 Dip=39 Slip= -48
NP2: 120 62 -119

16 20 57 21.95 56.222N 153.600W 33km
5.3mb (66 obs.) 5.5Msz (8 obs.)
KODIAK ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 19C
Centroid Location:
Origin Time 20:57:27.2 1.0
Lat 56.06N 0.13 Lon 153.21W 0.21
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM
T Val= 6.88 Plg=56 Azm=312
N 1.57 3 47
P -8.45 34 139
Best Double Couple:Mo=7.7*10**24
NP1:Strike=241 Dip=11 Slip= 105
NP2: 46 79 87

17 06 42 28.24 3.934S 128.829E 25km
5.4mb (21 obs.) 5.1Msz (3 obs.)
CERAM
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 06:42:23.2 0.5
Lat 3.68S 0.05 Lon 128.75E 0.07
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.73 Plg=48 Azm= 96
N 0.64 48 320
P -3.37 24 208
Best Double Couple:Mo=3.1*10**24
NP1:Strike=258 Dip=42 Slip= 15
NP2: 149 80 131

17 11 01 18.53 26.539N 128.631E 34km
5.4mb (38 obs.) 5.5Msz (1 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 11:01:15.7 0.9
Lat 26.35N 0.14 Lon 129.41E 0.20
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 8.23 Plg=58 Azm=333
N 1.27 5 234
P -9.50 32 141
Best Double Couple:Mo=8.9*10**23
NP1:Strike=213 Dip=14 Slip= 68
NP2: 56 77 95

17 12 08 09.46 37.209N 71.730E 120km
5.5mb (81 obs.)
AFGHANISTAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 12:08:16.0 0.4
Lat 37.34N 0.06 Lon 71.68E 0.05
Dep 135.6 2.4 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.81 Plg=41 Azm=143
N 0.15 27 27
P -2.68 38 274
Best Double Couple:Mo=2.8*10**24
NP1:Strike=301 Dip=27 Slip= 4
NP2: 208 88 117

17 21 25 15.06 10.497N 56.983E 10km
5.8mb (67 obs.) 6.0Msz (20 obs.)
CARLSBERG RIDGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=217 Dip=83 Slip= 15
NP2: 125 75 173
Principal Axes:
T Plg=16 Azm= 82
P 5 350
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 28 No. of sta: 11
Principal Axes:
Scale 10**25 d-cm
T Val= 2.68 Plg= 7 Azm= 97
N 0.51 71 208
P -3.19 17 5
Best Double Couple:Mo=2.9*10**25
NP1:Strike=142 Dip=73 Slip=-173
NP2: 50 83 -17
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 44C
Centroid Location:
Origin Time 21:25:18.9 0.2
Lat 10.76N 0.02 Lon 57.09E 0.02
Dep 15.0 FIX Half-duration 4.8
Principal Axes:
Scale 10**25 D-CM
T Val= 2.25 Plg= 6 Azm= 81
N 0.14 81 210
P -2.39 7 351
Best Double Couple:Mo=2.3*10**25
NP1:Strike=126 Dip=81 Slip=-179
NP2: 36 89 -9

19 19 01 15.41 2.957S 139.852E 38km
5.1mb (15 obs.) 4.7Msz (1 obs.)
NEAR N. COAST OF WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 19:01:19.3 1.0
Lat 2.79S 0.11 Lon 139.76E 0.12
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 9.85 Plg=63 Azm=154
N -2.70 18 283
P -6.95 20 20
Best Double Couple:Mo=8.3*10**23
NP1:Strike=138 Dip=30 Slip= 128
NP2: 275 67 78

20 01 31 13.99 0.843N 29.233W 10km
5.4mb (68 obs.) 4.7Msz (7 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centroid Location:

Origin Time 01:31:23.0 0.4
Lat 0.72N 0.05 Lon 29.00W 0.04
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.24 Plg=75 Azm=156
N 0.38 0 246
P -1.63 15 336
Best Double Couple:Mo=1.4*10**24
NP1:Strike= 66 Dip=30 Slip= 90
NP2: 246 60 90

20 10 05 00.71 13.034N 93.354E 76km
4.9mb (42 obs.)
ANDAMAN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 28C
Centroid Location:
Origin Time 10:04:58.7 0.8
Lat 12.82N 0.11 Lon 93.16E 0.10
Dep 21.6 7.3 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 5.58 Plg=62 Azm=114
N 0.50 12 1
P -6.08 25 266
Best Double Couple:Mo=5.8*10**23
NP1:Strike=332 Dip=23 Slip= 59
NP2: 185 71 102

21 12 18 06.67 17.023N 147.273E 48km
5.1mb (18 obs.) 4.5Msz (1 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 12:18: 7.7 0.6
Lat 16.74N 0.08 Lon 147.48E 0.08
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 10.94 Plg=65 Azm=234
N 0.63 14 356
P -11.57 21 91
Best Double Couple:Mo=1.1*10**24
NP1:Strike=204 Dip=27 Slip= 122
NP2: 350 67 75

22 16 15 05.89 6.716S 130.427E 123km
5.6mb (48 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 38C
Centroid Location:
Origin Time 16:15: 6.4 0.3
Lat 6.71S 0.03 Lon 130.38E 0.03
Dep 109.6 1.5 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.56 Plg=69 Azm=285
N -0.30 20 125
P -4.26 7 33
Best Double Couple:Mo=4.4*10**24
NP1:Strike=102 Dip=42 Slip= 60
NP2: 320 55 114

23 11 41 51.32 56.558N 164.932E 31km
5.3mb (98 obs.) 4.6Msz (7 obs.)
KOMANDORSKY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 11:41:50.1 0.5
Lat 56.74N 0.08 Lon 164.13E 0.10
Dep 32.0 5.9 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 7.63 Plg=77 Azm= 14
N 3.28 1 110
P -10.92 13 200
Best Double Couple:Mo=9.3*10**23
NP1:Strike=292 Dip=32 Slip= 93
NP2: 109 58 88

23 13 38 18.37 16.621S 167.265E 19km
5.5mb (22 obs.) 5.7Msz (11 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 34C
Centroid Location:
Origin Time 13:38:18.9 0.4
Lat 16.80S 0.03 Lon 167.52E 0.03
Dep 15.0 FIX Half-duration 3.3
Principal Axes:
Scale 10**24 D-CM
T Val= 9.11 Plg=13 Azm=135
N -1.68 74 348
P -7.43 8 227
Best Double Couple:Mo=8.3*10**24
NP1:Strike=271 Dip=75 Slip= 4
NP2: 181 87 165

24 14 19 37.54 13.630S 173.055E 620km
5.4mb (44 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 14:19:41.3 0.6
Lat 13.87S 0.06 Lon 173.08E 0.05
Dep 634.8 3.5 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.57 Plg=27 Azm=210
N 0.25 49 336
P -2.82 26 104
Best Double Couple:Mo=2.7*10**24
NP1:Strike=248 Dip=49 Slip=-179
NP2: 157 89 -41

25 06 15 54.83 23.032N 108.061W 10km
5.3mb (48 obs.) 5.7Msz (13 obs.)
GULF OF CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 33C
Centroid Location:
Origin Time 06:16: 2.5 0.2
Lat 22.98N 0.02 Lon 108.17W 0.02
Dep 15.0 FIX Half-duration 3.9
Principal Axes:
Scale 10**25 D-CM
T Val= 1.26 Plg= 7 Azm=263
N -0.16 83 67
P -1.11 2 173
Best Double Couple:Mo=1.2*10**25
NP1:Strike=308 Dip=84 Slip= 176
NP2: 38 86 7

25 20 06 12.58 3.677N 126.777E 45km
5.6mb (37 obs.) 5.6Msz (10 obs.)
TALAUD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 40C
Centroid Location:
Origin Time 20:06:17.4 0.2
Lat 3.77N 0.03 Lon 126.67E 0.02
Dep 28.0 1.8 Half-duration 3.9
Principal Axes:
Scale 10**24 D-CM
T Val= 14.52 Plg=52 Azm=334
N -2.74 31 194
P -11.78 20 92
Best Double Couple:Mo=1.3*10**25
NP1:Strike=143 Dip=37 Slip= 32
NP2: 26 71 123

29 06 31 31.98 14.932S 167.255E 120km
5.5mb (31 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 06:31:35.6 0.8
Lat 15.10S 0.07 Lon 167.07E 0.08
Dep 110.8 2.6 Half-duration 1.9
Principal Axes:
Scale 10**23 D-CM
T Val= 10.49 Plg=78 Azm= 93
N 2.14 4 202
P -12.63 11 293
Best Double Couple:Mo=1.2*10**24
NP1:Strike= 28 Dip=34 Slip= 97
NP2: 199 56 85

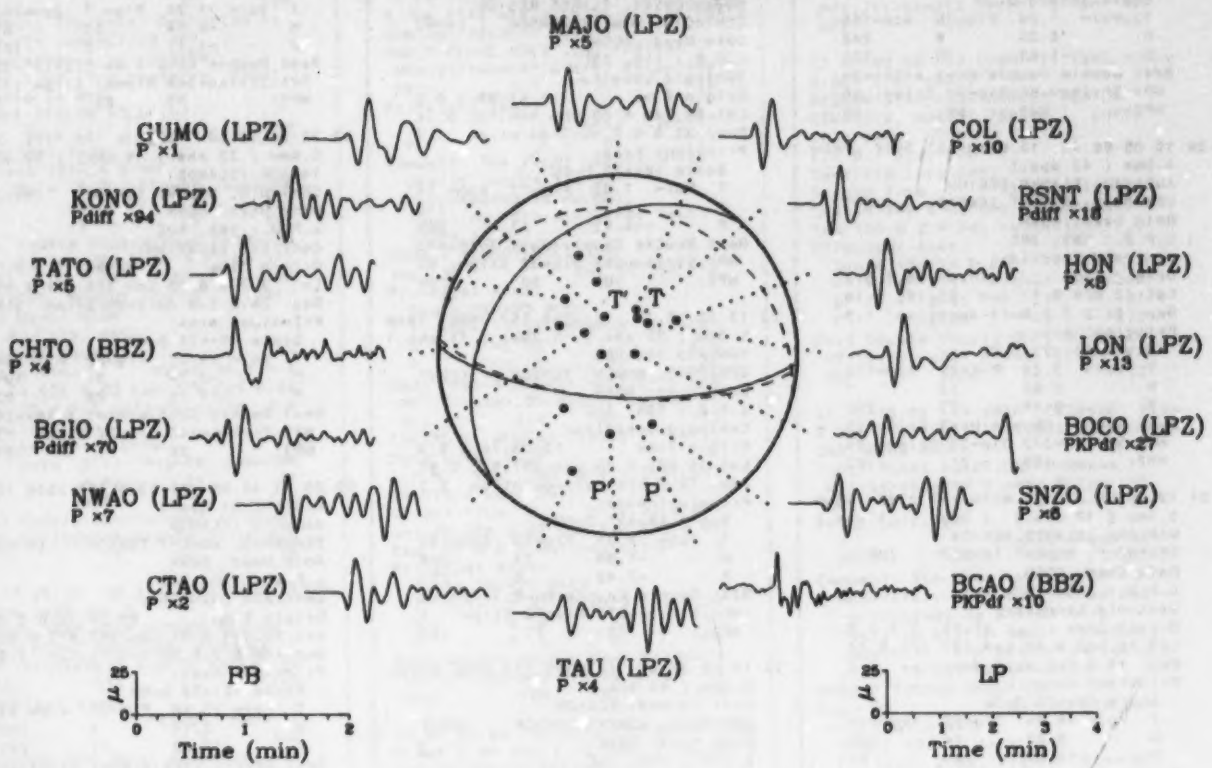
29 07 10 37.56 10.633N 57.068E 10km
5.2mb (34 obs.) 4.9Msz (1 obs.)
CARLSBERG RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 07:10:44.4 0.6
Lat 10.87N 0.10 Lon 57.20E 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 6.89 Plg=21 Azm=199
N 1.16 68 8
P -8.05 4 108
Best Double Couple:Mo=7.5*10**23
NP1:Strike=242 Dip=72 Slip= 167
NP2: 336 78 18

ANTARCTIC EVENT, SEPTEMBER 17, 1986

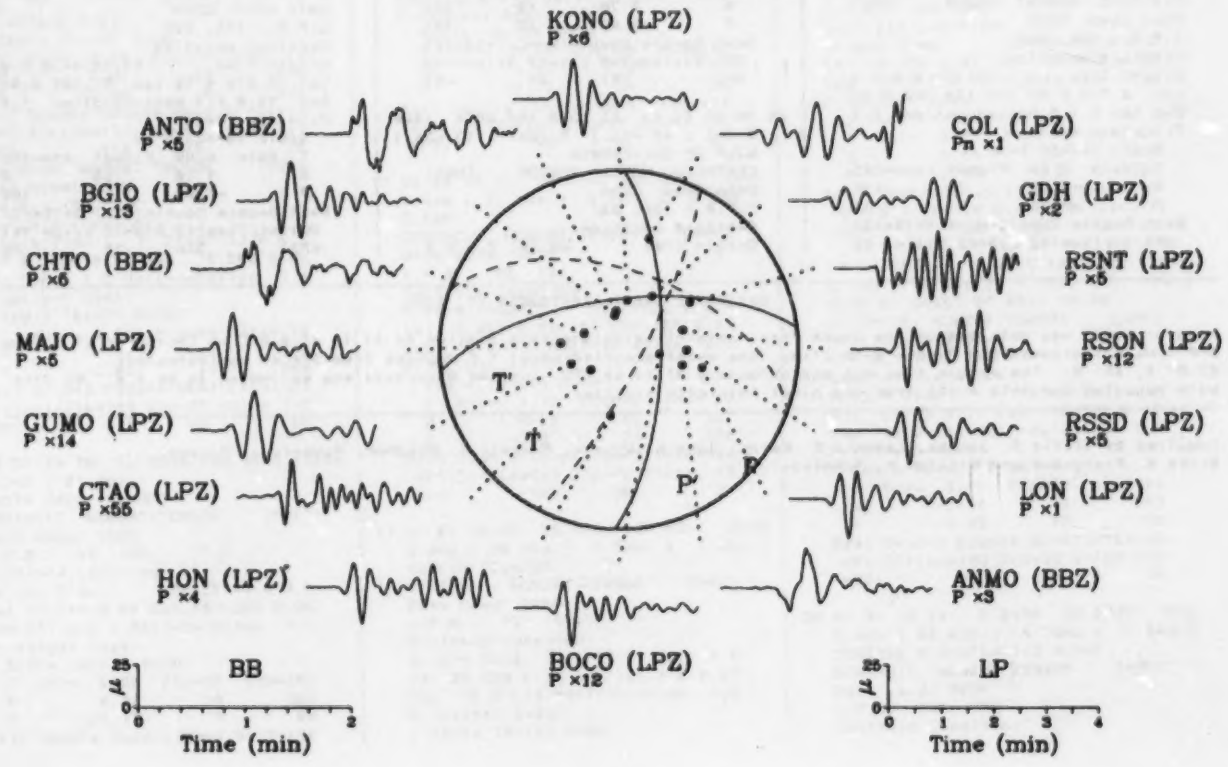
A local event was detected on the South Pole, Antarctica seismograph station at 07 15 02.0 UTC on September 17. From S-P time differences and P-wave polarities, the event occurred about 1.5 degrees from SPA at approximately 88.5° S, 45° W. The origin time was approximately 07 14 40 UTC, and the magnitude was estimated to be 3.0. No data were reported for this event from any other Antarctic stations.

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

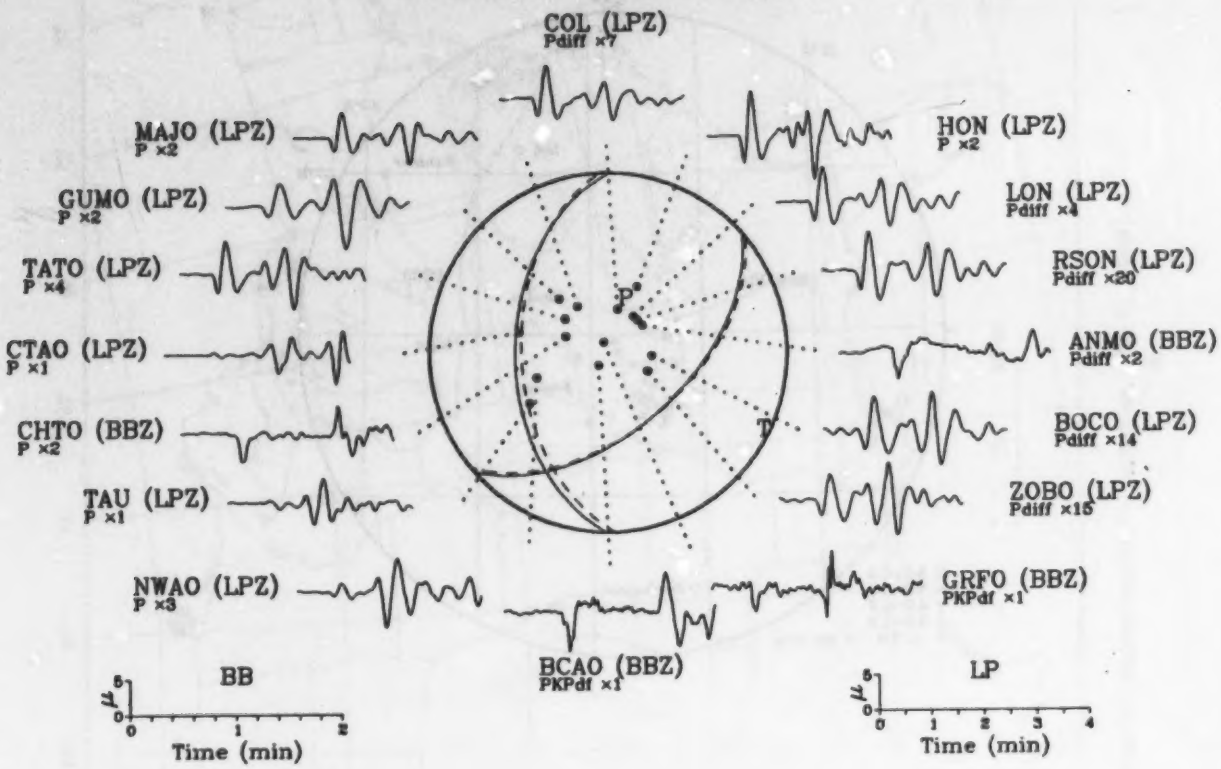
11 September 1986 00:18:25.59
New Britain Region



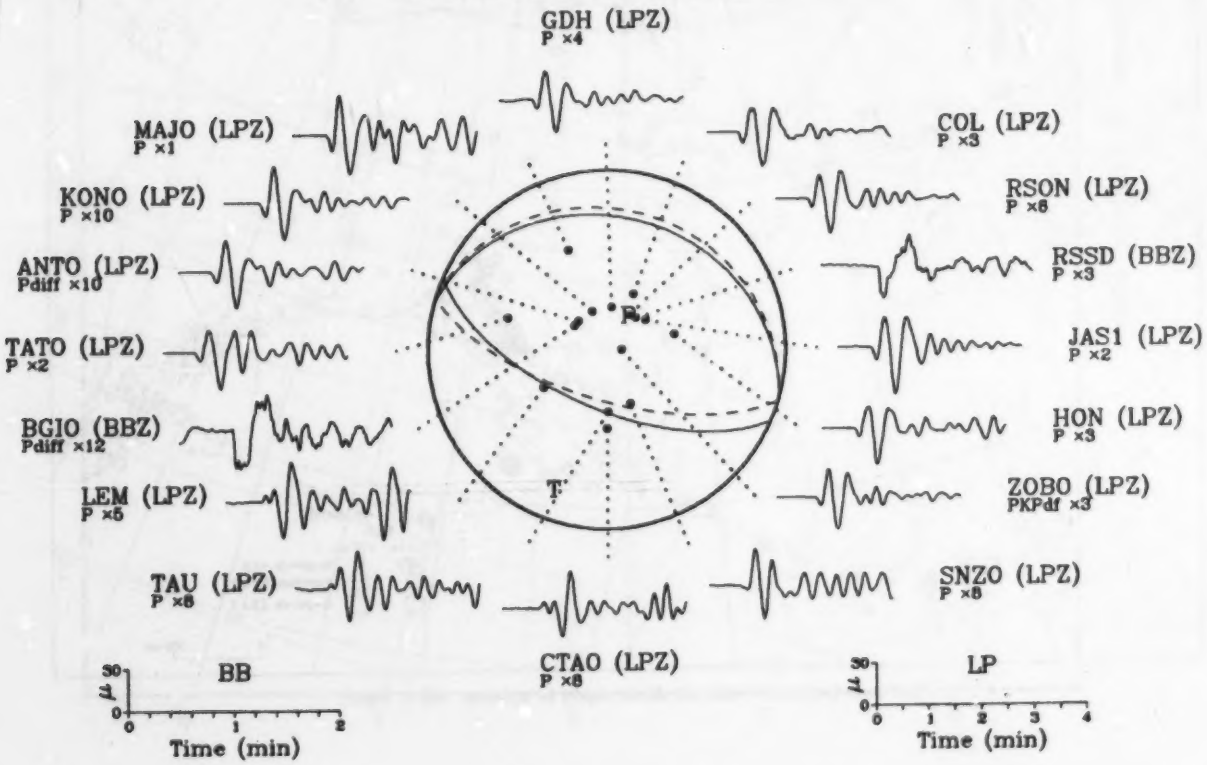
12 September 1986 23:57:15.61
Kodiak Island Region



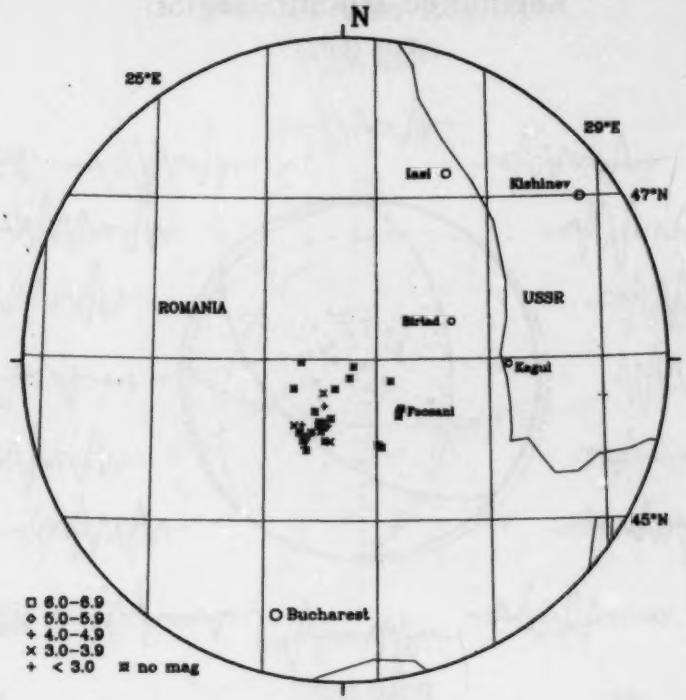
13 September 1986 15:17:21.01
Kermadec Islands Region

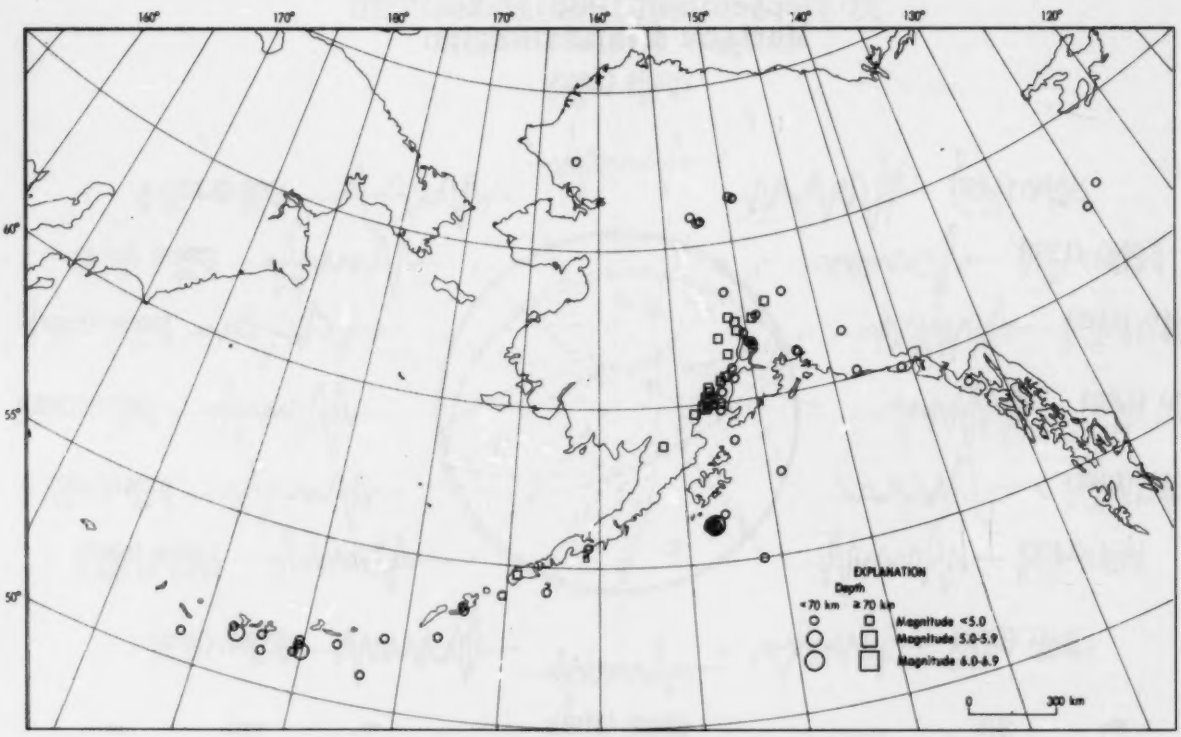


16 September 1986 18:20:17.75
Mariana Islands Region

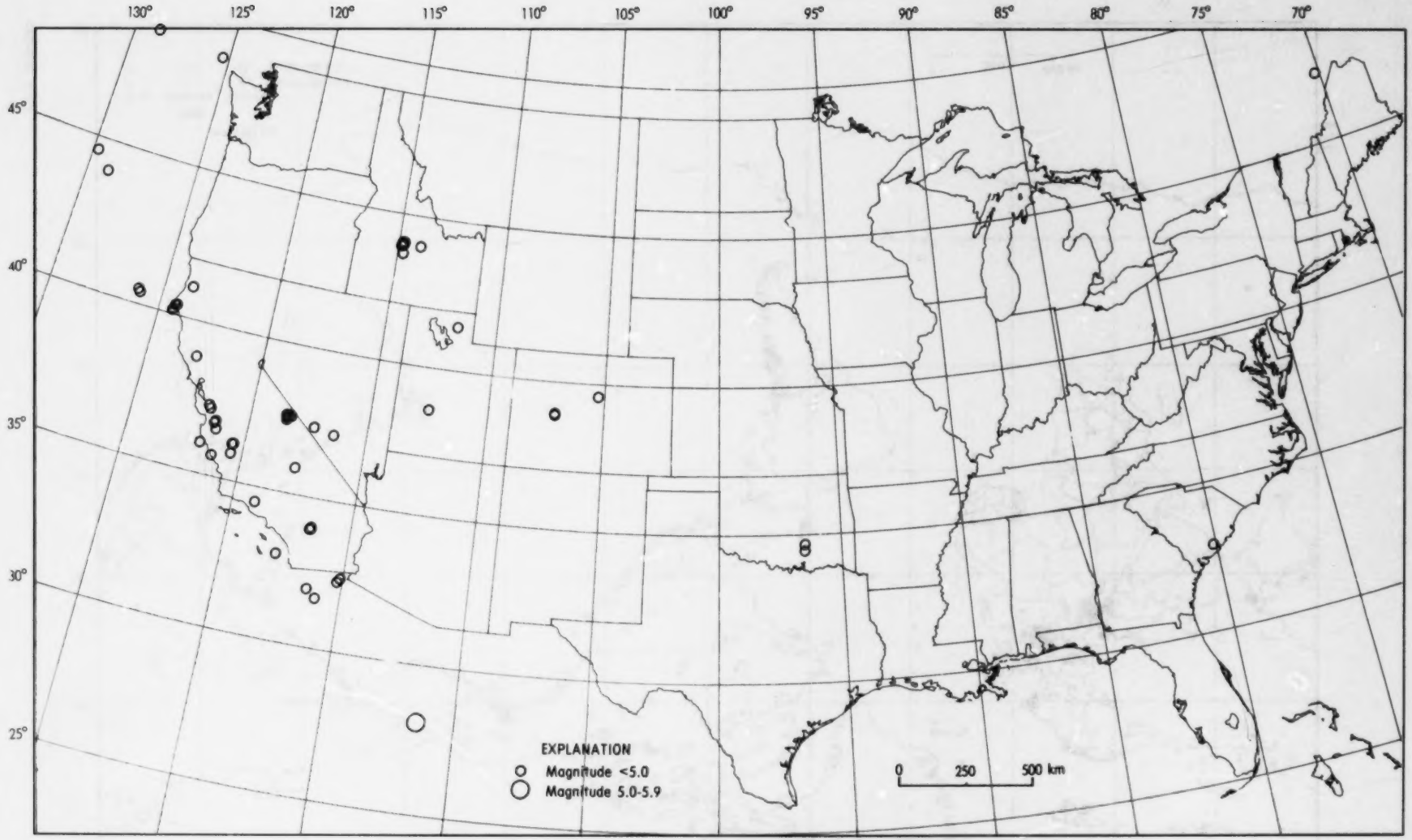


Earthquake Epicenters in the Vrancea Region, Romania, August and September, 1986

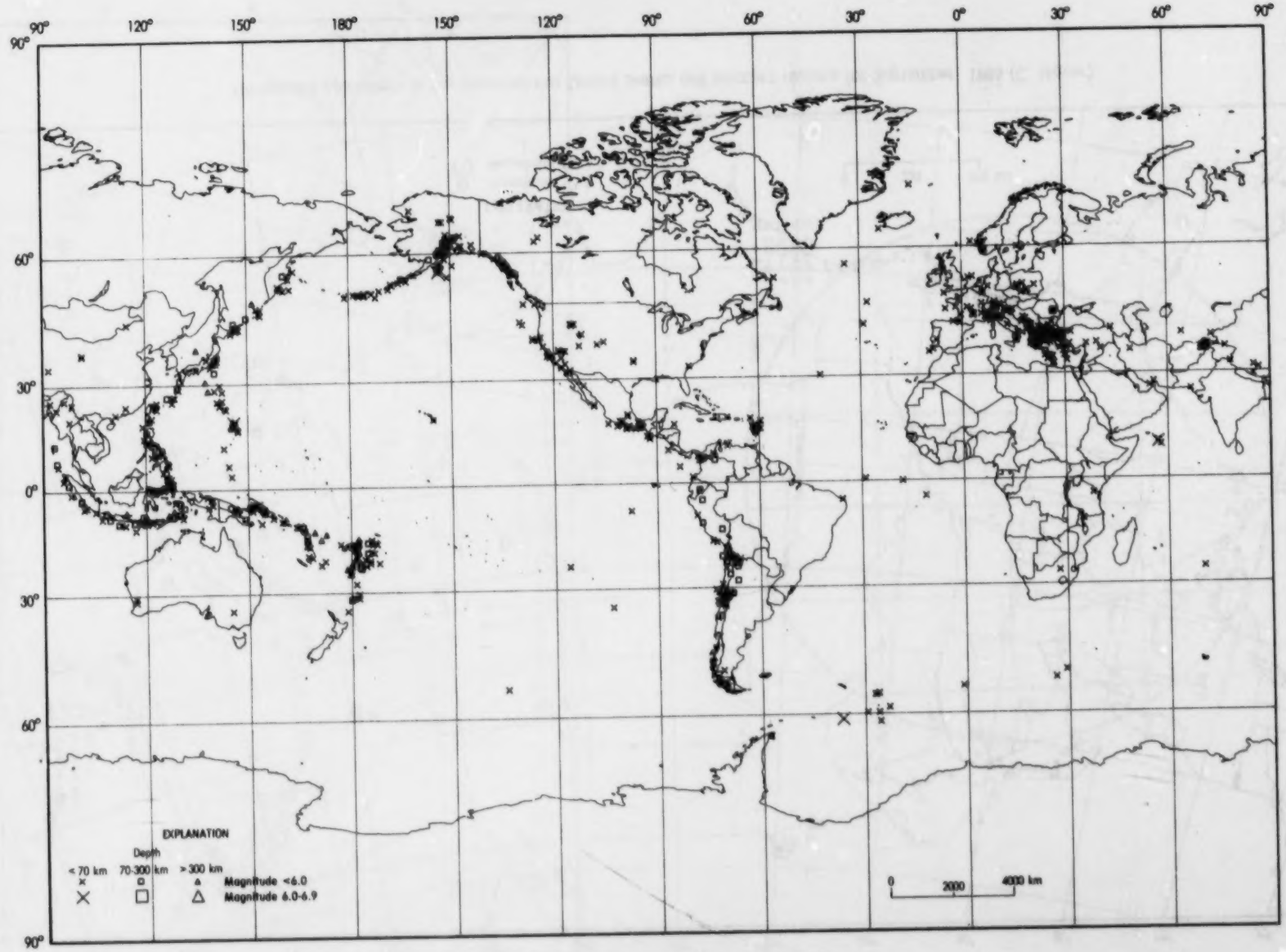




Earthquake epicenters in Alaska and adjacent regions for September, 1986 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for September, 1986 (C. Stover).



GPO 883-012

Earthquakes located in September, 1986 (C. Stover).

16/10

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

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OCTOBER 1986

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDES GS MB	Msz		SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	01	26	47.2	39.872	N	27.725	E	10 G				1.3	10	TURKEY
	01	02	19	10.2	39.876	N	27.889	E	10 G				0.9	14	TURKEY
	01	03	17	35.4*	16.646	S	177.809	W	33 N	5.4	4.6		1.3	17	FIJI ISLANDS REGION
	01	03	57	52.9	28.815	N	51.311	E	10 G	4.5			1.3	45	SOUTHERN IRAN. Felt in the Bushehr area.
	01	04	42	27.1*	9.183	S	124.342	E	73 *	4.4			1.5	22	TIMOR
	01	05	48	52.4	25.381	S	177.615	W	143 *	5.0			0.8	65	SOUTH OF FIJI ISLANDS
	01	06	15	22.3?	18.33	S	177.78	W	33 N	4.7			0.4	7	FIJI ISLANDS REGION
	01	06	38	50.2?	17.76	N	103.85	W	33 N	4.2			1.5	5	NEAR COAST OF MICHOACAN, MEXICO
	01	06	51	25.5	14.361	N	126.437	E	10 G	5.2	4.5		1.3	76	LUZON, PHILIPPINE ISLANDS
	01	07	20	29.6*	43.978	N	114.780	W	5 G				0.8	7	WESTERN IDAHO. ML 3.0 (NEIS).
	01	07	32	43.8?	44.91	N	150.17	E	33 N	4.2			1.5	9	KURIL ISLANDS REGION
	01	07	39	24.4	14.438	N	124.286	E	10 G	4.9			1.3	46	LUZON, PHILIPPINE ISLANDS
	01	08	19	06.4*	39.772	N	24.326	E	13				0.7	10	AEGEAN SEA
	01	08	38	03.0	39.053	N	27.737	E	10 G				0.3	6	TURKEY
	01	10	36	49.7*	9.681	N	126.314	E	229 ?	4.9			1.4	14	MINDANAO, PHILIPPINE ISLANDS
	01	10	38	43.7	6.848	N	73.184	W	156	4.8			0.9	12	NORTHERN COLOMBIA
	01	10	43	24.2&	57.438	N	152.220	W	44	3.7				39	KODIAK ISLAND REGION. <AGS-P>.
	01	11	09	39.7*	11.412	S	162.723	E	33 N	4.5			1.2	8	SOLOMON ISLANDS
	01	11	11	42.1	41.682	N	76.862	E	10 G	4.8	3.9		1.1	44	KIRGHIZ-XINJIANG BORDER REGION. Felt (III) at Naryn, Alma-Ata and Przhevalsk, USSR.
a	01	13	08	06.3	5.579	S	128.617	E	343	5.3			1.1	138	BANDA SEA
	01	13	17	36.4*	25.538	S	175.190	W	33 N	5.0			1.4	21	SOUTH OF TONGA ISLANDS
	01	14	14	33.3*	45.334	S	95.958	E	10 G	4.3			0.6	8	SOUTHEAST INDIAN RISE
	01	14	15	11.3?	58.22	N	6.36	E	10 G				0.5	6	SOUTHERN NORWAY. MD 2.4 (BER).
	01	14	39	35.8	42.336	N	18.899	E	10 G				1.3	12	YUGOSLAVIA. ML 2.6 (TTG).
	01	14	43	31.2?	15.69	N	120.98	E	192 *	3.6			1.1	7	LUZON, PHILIPPINE ISLANDS
	01	15	24	54.7?	1.66	N	29.55	W	10 G	4.9			0.5	7	CENTRAL MID-ATLANTIC RIDGE
	01	15	34	23.8	40.721	N	116.370	W	5 G				0.5	12	NEVADA. ML 3.7 (NEIS).
a	01	15	56	03.3	51.767	N	175.997	W	33 N	5.3	4.5		1.2	91	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR). Felt (III) on Adak.
	01	17	31	35.3	28.739	N	129.419	E	28 *	4.5			1.0	17	RYUKYU ISLANDS. Felt (I JMA) at Naze.
	01	17	51	51.3*	11.359	S	117.798	E	33 N	2.9			1.4	6	SOUTH OF SUMBAWA ISLAND
	01	17	52	04.5?	28.76	N	130.82	E	33 N				1.1	7	RYUKYU ISLANDS
	01	17	57	55.0*	39.049	N	27.718	E	10 G				0.9	5	TURKEY
	01	18	57	04.5?	39.04	N	27.74	E	20 ?				1.4	6	TURKEY
	01	19	49	34.7	44.222	N	10.261	E	10 G				1.3	16	NORTHERN ITALY. ML 2.9 (LDG), 2.2 (KBA).
	01	19	53	41.2	44.348	N	10.189	E	28		4.2		1.2	107	NORTHERN ITALY. ML 4.7 (FUR), 4.3 (LDG), 4.2 (TRI). Felt (VI) in the Garfagnana region.
	01	20	08	03.0*	19.724	S	177.459	W	550 *	4.6			0.9	34	FIJI ISLANDS REGION
	01	20	11	09.9	44.248	N	10.273	E	10 G				0.7	16	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (KBA).
	01	20	12	15.2*	32.837	N	117.875	W	5 G				0.4	8	CALIFORNIA-MEXICO BORDER REGION. ML 3.9 (PAS). Felt in the Oceanside-San Diego area and in southern Orange County.
	01	20	18	48.5*	33.594	S	71.885	W	58 *	4.3			1.3	23	NEAR COAST OF CENTRAL CHILE
	01	20	44	36.6%	33.535	N	119.553	E	33 N				1.0	5	EASTERN CHINA. ML 3.9 (BJI).
	01	21	28	51.6?	17.51	N	62.82	W	10 G				0.1	8	LEEWARD ISLANDS. ML 3.3 (FDF).
	01	22	32	36.5*	8.380	N	61.720	W	33 N				1.2	8	VENEZUELA. Felt in the Barrancas-Puerto Ordaz area.
	01	22	47	03.8	44.199	N	11.517	E	11				1.3	31	NORTHERN ITALY. ML 3.7 (KBA), 3.5 (LDG).
	01	22	58	49.6	39.133	N	28.276	E	10 G				1.1	10	TURKEY
	01	23	26	26.1*	60.261	S	23.956	W	33 N	4.0			0.6	11	SOUTH SANDWICH ISLANDS REGION
	02	00	11	42.5	39.112	N	27.783	E	10 G				1.1	6	TURKEY
	02	00	28	30.3*	51.352	N	7.285	E	10 G				0.8	9	GERMANY
	02	01	25	46.5*	9.211	N	126.783	E	33 N	4.5			1.1	17	MINDANAO, PHILIPPINE ISLANDS
	02	03	52	29.8	3.813	S	141.296	E	60 *	4.3			1.2	20	PAPUA NEW GUINEA
	02	04	32	12.4*	31.327	S	68.910	W	119 ?				1.3	12	SAN JUAN PROVINCE, ARGENTINA
	02	04	32	30.9*	38.269	N	25.452	E	10 G				1.4	8	AEGEAN SEA. ML 3.4 (ATH).
	02	06	01	09.8	11.015	N	61.360	W	85				0.6	18	WINDWARD ISLANDS. MG 4.4 (CRM). Felt (III) on northern Trinidad.

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I 19.66:

	02	07	38	56.1•	3.010	S	147.642	E	10	G	4.4	1.5	13	BISMARCK SEA
	02	07	40	36.8&	37.480	N	118.810	W	6	G			7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	02	08	16	37.4%	31.693	S	69.229	W	109	?		0.4	6	SAN JUAN PROVINCE, ARGENTINA
	02	08	47	51.4?	31.38	S	67.84	W	33	N		1.2	5	SAN JUAN PROVINCE, ARGENTINA
	02	09	42	54.5?	8.45	S	129.78	E	228	?		0.2	5	TIMOR SEA
	02	09	56	33.6	39.102	N	27.713	E	10	G		0.5	6	TURKEY
	02	10	10	05.9&	59.910	N	153.128	W	109				38	SOUTHERN ALASKA. <AGS-P>.
e	02	10	12	45.6	34.846	N	28.314	E	46		5.4 4.5	1.2	279	EASTERN MEDITERRANEAN SEA
	02	12	28	13.6&	36.485	N	121.033	W	9				10	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	02	12	57	51.6	39.025	N	27.769	E	10	G		1.2	6	TURKEY
	02	13	41	18.0	71.171	N	6.213	W	10	G	4.4	1.1	48	JAN MAYEN ISLAND REGION
e	02	13	57	54.9	20.253	N	45.498	W	10	G	5.2 5.1	1.2	84	NORTH ATLANTIC RIDGE
	02	14	02	13.8•	25.113	S	177.492	W	172	?	4.2	1.5	18	SOUTH OF FIJI ISLANDS
	02	14	12	12.9•	20.379	N	45.478	W	10	G	4.8	1.1	26	NORTH ATLANTIC RIDGE
	02	14	27	00.9?	33.15	S	72.22	W	10	G		0.8	9	OFF COAST OF CENTRAL CHILE
	02	14	53	44.7	20.289	N	45.772	W	10	G	4.9 4.6	0.9	46	NORTH ATLANTIC RIDGE
	02	15	04	00.8	20.382	N	45.692	W	10	G	5.0 4.5	0.9	62	NORTH ATLANTIC RIDGE
	02	15	04	06.9?	5.22	N	94.40	E	66	?	4.5	1.3	9	NORTHERN SUMATERA
	02	15	23	29.6&	33.000	N	117.700	W	10				13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	02	15	25	09.1?	17.82	S	177.01	W	385		4.1	0.6	15	FIJI ISLANDS REGION
	02	15	53	34.8•	38.905	N	40.273	E	10	G	4.4	1.4	20	TURKEY
	02	16	18	53.3•	36.937	N	29.824	E	10	G		0.2	5	TURKEY
	02	16	22	56.6%	40.826	N	27.595	E	10	G		0.9	5	TURKEY
	02	17	00	59.0	39.054	N	27.765	E	10	G		1.4	8	TURKEY
	02	17	12	28.5	85.194	N	15.682	E	10	G	4.8	1.2	56	NORTH OF SVALBARD
	02	17	17	57.7	85.269	N	15.755	E	10	G	4.8 4.3	0.9	66	NORTH OF SVALBARD
	02	18	52	48.9?	20.89	S	68.32	W	33	N		0.9	5	CHILE-BOLIVIA BORDER REGION
	02	19	35	05.4	39.078	N	27.721	E	10	G		1.2	9	TURKEY
e	02	20	15	32.9	2.892	N	127.258	E	46		5.6 4.9	1.3	126	MOLUCCA PASSAGE
	02	21	23	16.0	39.072	N	27.717	E	10	G		0.8	7	TURKEY
	02	21	31	29.9•	39.095	N	27.885	E	10	G		0.7	5	TURKEY
	02	21	35	24.1?	31.83	S	68.30	W	105	?		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	02	21	37	00.9	53.877	N	161.303	E	33	N	4.7 4.5	0.8	52	OFF EAST COAST OF KAMCHATKA
	02	21	40	34.3•	2.988	N	127.502	E	33	N	4.4	1.4	12	MOLUCCA PASSAGE
	02	21	44	45.0	40.757	N	22.076	E	10	G		0.6	11	GREECE
	02	22	56	44.4&	37.530	N	118.450	W	6	G			14	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	02	23	57	10.9	46.728	N	13.135	E	10	G		1.1	13	AUSTRIA. MD 3.1 (K3A). Felt (V) in the Kotschach-Mauthen area.
	03	01	17	29.9?	43.83	N	18.01	E	10	G		0.8	5	YUGOSLAVIA. ML 2.2 (TTG).
	03	01	44	24.3•	42.665	N	18.253	E	13	G		0.4	8	YUGOSLAVIA. ML 2.8 (TTG).
	03	02	12	27.3•	27.622	S	69.901	W	33	N		0.5	6	NORTHERN CHILE
	03	02	29	23.6•	39.116	N	27.824	E	10	G		1.5	6	TURKEY
	03	02	58	38.7?	61.71	N	2.54	E	10	G		1.2	5	NORWEGIAN SEA. MD 2.0 (BER).
	03	07	06	54.5	1.620	N	98.967	E	126		5.2	0.9	117	NORTHERN SUMATERA
	03	07	19	37.2	31.570	S	69.558	W	131		4.4	0.8	19	SAN JUAN PROVINCE, ARGENTINA
	03	07	48	37.0	39.474	N	75.289	E	14		4.7	0.9	51	SOUTHERN XINJIANG, CHINA
e	03	09	34	32.3•	52.279	S	13.506	E	10	G	5.3 4.5	1.3	37	SOUTHWEST OF AFRICA
	03	09	34	43.5	39.066	N	27.846	E	10	G		1.2	14	TURKEY
	03	10	28	34.6•	38.132	N	20.089	E	10	G		1.0	16	GREECE. ML 3.8 (ATH).
	03	12	25	01.2•	7.053	S	149.445	E	40	?	4.5	1.5	8	NEW BRITAIN REGION
	03	13	10	04.7•	9.464	N	122.587	E	73	•	4.7	1.0	12	NEGROS, PHILIPPINE ISLANDS
	03	13	33	51.6&	40.305	N	125.153	W	5	G			7	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	03	15	21	03.9	51.498	N	178.660	W	33	N	5.0	0.7	22	ANDREANOF ISLANDS, ALEUTIAN IS.
	03	17	47	51.8•	39.133	N	27.738	E	10	G		1.4	5	TURKEY
	03	18	01	10.3	2.942	S	139.038	E	33	N	4.5	1.2	20	NEAR N. COAST OF WEST IRIAN
	03	18	20	27.9•	17.962	S	69.564	W	143	•	4.1	1.3	9	PERU-BOLIVIA BORDER REGION
	03	19	52	53.5•	32.148	S	68.452	W	33	N		1.1	12	MENDOZA PROVINCE, ARGENTINA
	03	19	59	10.7•	4.545	S	149.288	E	562	•	4.5	0.6	10	BISMARCK SEA
	03	20	09	09.6•	30.953	S	72.173	W	10	G		1.0	13	OFF COAST OF CENTRAL CHILE
	03	20	09	38.3•	32.708	N	137.585	E	371		4.3	0.7	15	SOUTH OF HONSHU, JAPAN
	03	23	13	57.1	31.211	S	68.219	W	112	•		1.0	16	SAN JUAN PROVINCE, ARGENTINA
	04	00	07	22.5•	47.676	N	14.698	E	10	G		0.7	6	AUSTRIA. ML 3.6 (VKA), 2.8 (KBA). Felt (IV) at Trofaiach.
	04	01	37	32.3	39.083	N	27.758	E	10	G		1.0	9	TURKEY
e	04	02	00	08.0	2.982	N	128.036	E	106	G	5.8	1.0	278	HALMAHERA. Depth from broadband displacement seismograms.
	04	02	38	08.3•	39.107	N	27.649	E	10	G		1.2	8	TURKEY
	04	04	29	57.1?	42.40	N	84.63	E	33	N	4.8	1.2	7	NORTHERN XINJIANG, CHINA
	04	04	57	03.2•	40.472	N	63.200	E	33	N	4.3	0.8	7	UZBEK SSR. Felt (IV) at Gazli and (III) at Nurata.
	04	05	25	37.5•	19.904	N	144.430	E	447	•	4.5	0.7	22	MARIANA ISLANDS
	04	05	55	47.6	22.602	S	69.113	W	157	•		1.1	12	NORTHERN CHILE
	04	06	57	15.1	39.342	N	23.189	E	10	G		0.6	9	AEGEAN SEA. ML 3.4 (ATH).
	04	08	05	00.6%	44.499	N	7.457	E	26			0.6	13	NORTHERN ITALY. ML 2.8 (LDG).
	04	08	10	55.3•	32.682	S	69.935	W	33	N		1.4	11	MENDOZA PROVINCE, ARGENTINA
	04	08	57	41.8?	14.98	S	71.43	W	33	N		1.0	6	PERU
	04	09	10	35.1	6.951	S	123.796	E	641		5.4	1.0	65	BANDA SEA
	04	09	38	00.8?	50.25	N	19.00	E	10	G		0.2	4	POLAND. ML 3.0 (KRA).
	04	09	44	14.1	39.098	N	27.823	E	10	G		1.3	8	TURKEY
	04	10	40	54.8?	35.31	S	71.09	W	33	N		0.8	10	CENTRAL CHILE
	04	11	14	46.8	23.907	S	67.650	W	274	•		1.5	10	CHILE-ARGENTINA BORDER REGION
	04	16	51	35.0	41.315	N	22.675	E	10	G		0.3	10	YUGOSLAVIA. ML 2.0 (SKO).
	04	17	29	57.8•	41.285	N	22.402	E	10	G		1.4	8	YUGOSLAVIA. ML 1.9 (SKO).
	04	17	43	15.0%	40.123	N	23.332	E	10	G		1.5	5	GREECE
	04	17	48	08.0•	23.081	S	66.804	W	224	•		1.0	8	JUJUY PROVINCE, ARGENTINA
	04	18	08	02.0•	32.605	S	71.701	W	10	G		0.6	9	NEAR COAST OF CENTRAL CHILE
	04	19	43	32.0?	22.39	S	179.49	E	587	?	4.8	1.2	12	SOUTH OF FIJI ISLANDS
	04	19	55	11.3	41.338	N	22.690	E	10	G		0.6	7	YUGOSLAVIA. ML 1.9 (SKO).
	04	21	25	26.5•	12.775	S	76.899	W	75	?		0.8	11	NEAR COAST OF PERU. Felt (III) at Lima.
	04	22	01	17.7•	13.395	N	44.838	W	10	G	4.8	1.2	10	NORTH ATLANTIC RIDGE
	04	22	48	42.0•	9.170	N	126.788	E	33	N	4.3	1.3	12	MINDANAO, PHILIPPINE ISLANDS
	04	23	14	08.3%	43.204	N	5.164	E	10	G		1.5	9	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG).
	04	23	26	36.0•	6.135	S	154.894	E	109	•	4.3	0.9	10	SOLOMON ISLANDS
	04	23	26	46.1	41.783	N	19.524	E	10	G		1.2	11	ALBANIA. ML 2.5 (TTG).

	85	02 04	14.6•	5.287	S	153.432	E	33	N	4.5		1.1	10	NEW IRELAND REGION
	85	02 08	50.0•	33.612	S	57.241	E	10	G	4.8		1.5	16	ATLANTIC-INDIAN RISE
	85	02 10	00.5•	31.596	S	69.371	W	143	?			0.8	14	SAN JUAN PROVINCE, ARGENTINA
	85	03 01	57.5?	48.09	S	104.65	E	10	G	4.5	4.3	1.3	12	SOUTHEAST INDIAN RISE
	85	03 25	57.5	51.252	N	176.131	W	33	N	4.9		0.9	84	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PWR). Felt (II) on Adak.
	85	03 27	06.7?	38.44	N	25.87	E	10	G			0.2	4	AEGEAN SEA. ML 3.2 (ATH).
	85	03 36	35.0•	21.985	S	68.641	W	138	?			1.0	11	CHILE-BOLIVIA BORDER REGION
	85	04 37	20.1•	5.118	S	151.649	E	113	?	4.0		0.5	7	NEW BRITAIN REGION
	85	04 38	42.7•	32.438	S	71.498	W	33	N			0.5	9	NEAR COAST OF CENTRAL CHILE
	85	05 02	03.7&	59.851	N	152.984	W	96					26	SOUTHERN ALASKA. <AGS-P>.
	85	05 12	15.9	34.672	N	23.317	E	15	D	5.0	4.3	1.2	283	CRETE
	85	05 42	50.3	32.294	S	69.791	W	149	?			0.3	14	MENDOZA PROVINCE, ARGENTINA
	85	06 07	42.7	41.650	N	19.454	E	10	G			1.0	12	ALBANIA. ML 2.9 (TTG).
e	85	07 21	37.3	23.881	S	112.034	W	10	G	5.2	4.9	1.1	78	EASTER ISLAND REGION
	85	07 22	29.7	44.498	N	7.311	E	10	G			0.7	11	NORTHERN ITALY. ML 2.8 (LDG).
	85	07 31	20.8•	14.555	N	119.934	E	81	?	4.3		0.4	7	LUZON, PHILIPPINE ISLANDS
	85	08 55	21.4	43.586	N	20.939	E	10	G			1.1	22	YUGOSLAVIA. ML 4.0 (TTG). Felt (VI) in the Mt. Kopaonik area.
	85	09 12	10.9	17.010	N	62.286	W	24				1.0	21	LEEWARD ISLANDS. ML 3.9 (FDF). Felt (II) at Pointe-a-Pitre, Guadeloupe.
	85	10 11	53.1%	28.872	S	67.323	W	129	?			0.3	6	LA RIOJA PROVINCE, ARGENTINA
	85	10 12	49.0	39.061	N	27.833	E	10	G			1.4	7	TURKEY
	85	10 15	53.9?	30.97	S	73.31	W	33	N			0.8	10	OFF COAST OF CENTRAL CHILE
	85	11 56	53.0?	40.61	N	21.35	E	33	N			1.5	5	GREECE
	85	12 51	43.3•	23.893	S	66.989	W	196		4.2		1.3	17	JUJUY PROVINCE, ARGENTINA
e	85	13 15	45.5	23.716	S	111.993	W	10	G	5.4	5.1	1.2	104	EASTER ISLAND REGION
	85	15 41	58.9&	60.194	N	153.284	W	134					24	SOUTHERN ALASKA. <AGS-P>.
	85	15 47	33.5&	38.640	N	112.559	W	1	G				17	UTAH. <SLC-P>. ML 3.3 (SLC). Felt (III) at Elsinore.
	85	16 42	28.2?	39.09	N	27.72	E	10	G			1.6	5	TURKEY
e	85	18 53	20.9	30.546	S	28.737	E	5	G	4.9	4.8	1.0	99	REPUBLIC OF SOUTH AFRICA. Some damage near Mount Frere. Felt (IV) at Durban, Aliwal North and Umtata; (III) at Pietermaritzburg, Port Alfred and Sterkstroom.
	85	19 50	05.2%	46.411	N	2.473	E	10	G			0.5	8	FRANCE. ML 2.0 (LDG).
	85	20 30	29.2	5.368	S	151.507	E	113		5.0		1.0	31	NEW BRITAIN REGION
	85	20 40	22.3	38.564	S	15.979	W	10	G	5.0	4.7	0.8	23	TRISTAN DA CUNHA REGION
	85	21 28	36.6&	60.204	N	152.729	W	105					37	SOUTHERN ALASKA. <AGS-P>.
	85	21 56	59.1&	36.945	N	121.688	W	6					15	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
e	85	21 57	20.5	43.493	N	127.252	W	10	G	5.1	5.1	1.1	161	OFF COAST OF OREGON
	85	23 46	32.9•	39.053	N	27.888	E	10	G			0.3	5	TURKEY
	86	02 21	46.4	26.674	N	54.580	E	61	•	4.9		1.1	157	SOUTHERN IRAN. Felt in the Bandar-e Lengeh area.
	86	03 07	48.5•	21.145	S	67.439	W	179	?			1.3	9	CHILE-BOLIVIA BORDER REGION
	86	04 04	47.7	39.123	N	27.827	E	14				1.1	17	TURKEY
e	86	04 21	46.7	51.863	N	176.257	W	43	D	5.1	4.2	1.0	170	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.
	86	06 06	50.4	39.083	N	27.737	E	10	G			1.5	9	TURKEY
	86	07 03	20.7•	44.229	N	129.524	W	10	G	4.5		1.2	19	OFF COAST OF OREGON
e	86	07 11	02.9	56.825	S	26.624	W	88	D	5.4		0.9	124	SOUTH SANDWICH ISLANDS REGION
	86	07 42	41.3	46.255	N	13.086	E	24				1.3	45	AUSTRIA. ML 4.1 (GRF), 3.8 (FUR), 3.6 (LDG).
	86	11 17	13.1	38.828	N	122.751	W	5	G			0.8	9	NORTHERN CALIFORNIA. ML 2.8 (BRK).
	86	11 37	55.6•	33.029	S	71.702	W	10	G			0.6	10	NEAR COAST OF CENTRAL CHILE
	86	11 45	34.7	10.936	S	74.728	W	10	G	4.4		1.1	9	PERU
	86	12 13	26.1•	51.397	N	175.771	W	33	N	4.5		1.7	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	86	13 14	42.8	15.328	N	60.804	W	25	•			0.2	10	LEEWARD ISLANDS. ML 2.4 (FDF).
	86	14 17	04.3?	30.82	S	72.08	W	33	N			1.3	6	OFF COAST OF CENTRAL CHILE
	86	15 31	47.2?	51.56	N	16.29	E	15				0.4	8	POLAND. ML 3.6 (GRF), 3.3 (KBA).
	86	19 15	32.3	44.329	N	7.487	W	10	G			1.0	26	NORTH ATLANTIC OCEAN. MG 3.4 (MDD).
	86	21 21	10.8•	46.302	N	14.231	E	33	N			1.4	6	YUGOSLAVIA. ML 3.0 (KBA). Felt (V) at Ferlach, Austria.
	86	21 38	38.6%	31.584	S	68.843	W	10	G			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	86	22 18	18.7	46.558	N	0.077	E	10	G			1.2	11	FRANCE. ML 3.1 (LDG).
	86	22 25	41.6•	11.915	N	57.802	E	10	G	4.4		1.2	9	ARABIAN SEA
	86	22 35	34.4%	46.547	N	0.088	E	10	G			1.5	13	FRANCE. ML 2.6 (LDG).
	86	23 21	54.4•	38.222	N	20.752	E	10	G			0.8	11	GREECE. ML 3.6 (ATH).
	86	23 28	07.2	25.498	N	102.422	E	10	G	5.4	4.5	1.0	179	YUNNAN PROVINCE, CHINA. Several people injured and some houses damaged in the Fumin area.
	86	23 32	38.1•	37.637	N	118.495	W	5	G			0.9	7	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS).
	87	01 01	58.7?	7.40	S	27.74	E	10	G			0.9	5	ZAIRE REPUBLIC. MG 4.0 (BUL).
	87	03 00	28.5%	14.923	N	60.360	W	32				0.3	10	WINDWARD ISLANDS. ML 3.4 (FDF).
	87	04 26	07.8•	3.662	N	124.482	E	337	•	4.3		1.2	19	CELEBES SEA
	87	04 50	13.7•	32.678	S	69.827	W	33	N			0.9	10	MENDOZA PROVINCE, ARGENTINA
	87	04 56	12.6	8.103	N	126.444	E	118	•	5.0		1.2	50	MINDANAO, PHILIPPINE ISLANDS
	87	05 39	13.3?	28.32	S	71.41	W	33	N			0.6	9	NEAR COAST OF CENTRAL CHILE
	87	05 44	52.8•	31.296	S	68.236	W	102	•			0.6	11	SAN JUAN PROVINCE, ARGENTINA
	87	06 42	09.7	6.830	N	73.047	W	158		5.0		1.1	65	NORTHERN COLOMBIA. Felt at Medellin, Manizales and Bogota.
	87	10 43	35.1•	15.029	N	60.581	W	33	N			0.6	10	LEEWARD ISLANDS. ML 3.6 (FDF). Felt (II) on Martinique.
e	87	11 40	55.0	31.907	N	137.676	E	400		5.1		1.0	258	SOUTH OF HONSHU, JAPAN. Felt (I JMA) at Tokyo, Onahama, Sendai, Utsunomiya and Yokohama.
	87	11 46	01.2•	13.155	N	89.948	W	33	N	4.6	3.9	1.5	15	EL SALVADOR
	87	12 35	03.2	38.947	N	107.090	W	5	G			0.3	8	COLORADO. ML 1.8 (NEIS). Felt in the Crested Butte area.
e	87	14 03	44.5	16.599	S	167.314	E	10	G	5.7	5.2	1.1	144	VANUATU ISLANDS
	87	14 07	32.3%	33.724	S	71.802	W	10	G			0.5	9	NEAR COAST OF CENTRAL CHILE
	87	14 26	24.1&	60.052	N	153.401	W	134					21	SOUTHERN ALASKA. <AGS-P>.
	87	14 34	18.4•	32.682	S	69.928	W	33	N			1.4	11	MENDOZA PROVINCE, ARGENTINA
	87	14 40	11.3•	51.513	N	175.851	W	33	N	4.7		1.4	28	ANDREANOF ISLANDS, ALEUTIAN IS.
	87	15 02	45.8?	3.02	N	128.17	E	111	?	4.4		0.7	8	NORTH OF HALMAHERA
	87	15 36	21.8?	36.58	N	25.86	E	10	G			1.6	5	DODECANESE ISLANDS. ML 3.6 (ATH).
	87	16 51	08.2%	15.453	N	60.688	W	33	N			0.3	10	LEEWARD ISLANDS. ML 2.7 (FDF).
	87	17 44	15.2?	34.32	N	31.18	E	33	N			1.5	8	CYPRUS
	87	17 54	00.1	6.828	S	124.876	E	569	•	4.2		1.0	23	BANDA SEA
	87	19 30	22.2•	6.094	S	130.114	E	189	•	5.1		1.4	15	BANDA SEA
	87	19 55	07.8	10.138	S	161.844	E	111		4.9		0.8	58	SOLOMON ISLANDS
	87	21 00	01.2	46.364	N	12.474	E	10	G			1.2	24	NORTHERN ITALY. ML 2.6 (KBA).

	07	22	00	50.3%	60.715	N	5.591	E	10	G		0.5	6	SOUTHERN NORWAY. ML 1.9 (BER).
	07	22	23	34.8?	47.80	N	8.06	E	10	G		0.3	5	SWITZERLAND. ML 2.5 (LDG).
	07	22	27	29.3&	59.814	N	153.588	W	135				21	SOUTHERN ALASKA. <AGS-P>.
	07	22	39	08.4•	25.379	N	102.619	E	33	N	4.2	1.5	5	YUNNAN PROVINCE, CHINA
	07	23	05	12.4&	61.377	N	147.206	W	35				33	SOUTHERN ALASKA. <AGS-P>.
•	08	00	09	22.4	80.312	N	1.742	W	10	G	5.1 4.7	0.9	197	NORTH OF SVALBARD
	08	00	44	26.8?	50.28	N	176.38	W	33	N	4.4	1.0	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	08	02	05	23.5?	32.79	S	179.32	W	145	?	4.6	1.4	10	SOUTH OF KERMADEC ISLANDS
	08	02	52	42.0?	35.03	S	179.06	W	33	N	4.9	1.3	9	EAST OF NORTH ISLAND, N.Z.
	08	04	06	03.4%	33.345	S	71.678	W	28	•		0.3	9	NEAR COAST OF CENTRAL CHILE
	08	05	51	36.3	21.946	S	170.472	E	98	•	4.8	1.2	32	LOYALTY ISLANDS REGION
	08	07	45	07.8%	39.157	N	27.894	E	10	G		1.0	6	TURKEY
	08	08	55	21.9•	44.452	N	129.859	W	10	G	4.0	1.1	18	OFF COAST OF OREGON
	08	11	47	57.6•	31.514	S	69.033	W	29	•		1.4	13	SAN JUAN PROVINCE, ARGENTINA
	08	12	41	23.6•	2.843	S	137.875	E	33	N	4.1	1.1	19	WEST IRIAN
	08	14	52	13.9	8.589	N	126.878	E	65	•	4.9	1.3	67	MINDANAO, PHILIPPINE ISLANDS
	08	14	54	04.8?	20.99	S	177.98	W	433	?	4.1	0.4	13	FIJI ISLANDS REGION
	08	14	58	07.9&	57.208	N	149.677	W	44				28	GULF OF ALASKA. <AGS-P>.
	08	16	00	53.5%	39.054	N	27.868	E	10	G		0.1	5	TURKEY
	08	16	16	35.0	3.711	S	139.862	E	10	G	3.9	1.1	19	WEST IRIAN
	08	16	37	54.9•	2.224	N	126.457	E	33	N	4.4	1.3	18	MOLUCCA PASSAGE
	08	16	54	42.9•	32.771	S	69.888	W	33	N		1.4	10	MENDOZA PROVINCE, ARGENTINA
	08	18	00	58.0&	61.561	N	146.465	W	37				31	SOUTHERN ALASKA. <AGS-P>.
	08	20	01	58.9	18.858	N	144.785	E	33	N	4.5	1.0	27	MARIANA ISLANDS
	08	20	18	46.0	46.379	N	12.464	E	10	G		1.2	36	NORTHERN ITALY. ML 3.4 (GRF), 3.2 (LDG), 2.9 (KBA), 2.8 (TRI). Felt (IV) in the Lorenzago-Forni di Sotto-Vigo area.
	08	20	25	02.6•	50.143	N	19.222	E	10	G		1.1	5	POLAND. ML 3.0 (VKA).
	08	20	30	48.8%	31.416	S	68.584	W	112	?		0.6	6	SAN JUAN PROVINCE, ARGENTINA
	08	20	43	01.0&	58.323	N	153.408	W	67				13	KODIAK ISLAND REGION. <AGS-P>.
	08	22	02	57.5	36.889	N	26.365	E	10		4.5	1.0	22	DODECANESE ISLANDS. ML 4.2 (ATH).
	08	22	34	13.5%	40.855	N	23.728	E	10	G		0.2	7	GREECE
	08	23	55	42.4•	3.896	N	128.515	E	211	?	5.1	1.0	28	NORTH OF HALMAHERA
	09	00	36	06.8?	38.69	N	26.05	E	10	G		0.7	6	AEGEAN SEA
	09	00	59	52.5	50.938	N	172.817	W	33	N	4.7	1.0	57	ANDREANOF ISLANDS, ALEUTIAN IS.
	09	01	21	06.1&	62.129	N	149.544	W	58		4.5		86	CENTRAL ALASKA. <AGS-P>. Felt (III) at Anchorage and (II) at Talkeetna.
	09	02	06	23.0&	37.297	N	121.688	W	5				13	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	09	03	27	03.1	3.385	S	103.023	E	195		5.0	0.9	125	SOUTHERN SUMATERA
	09	05	37	25.2	37.358	N	118.335	W	10	G		0.5	28	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK). Felt (III) at Lone Pine, California. Also felt in the Bishop, California area.
	09	06	02	06.6%	33.859	S	70.888	W	33	N		0.9	8	CHILE-ARGENTINA BORDER REGION
	09	06	53	29.2•	33.329	S	71.729	W	10	G		1.0	10	NEAR COAST OF CENTRAL CHILE
	09	08	11	16.8?	38.99	N	27.57	E	10	G		0.7	5	TURKEY
	09	09	42	41.5•	43.961	N	114.756	W	5	G		0.7	7	WESTERN IDAHO. ML 3.1 (NEIS).
	09	10	08	53.3	46.398	N	7.442	E	6			1.1	42	SWITZERLAND. ML 3.4 (LDG).
	09	10	27	24.1?	43.10	N	4.64	E	10	G		1.0	6	NEAR SOUTH COAST OF FRANCE. ML 3.0 (LDG).
	09	10	40	54.7	20.944	S	68.454	W	127	•	4.4	1.4	29	CHILE-BOLIVIA BORDER REGION
	09	11	01	24.7?	18.12	S	178.44	W	611	•	4.0	1.1	24	FIJI ISLANDS REGION
	09	12	55	27.3	55.827	N	3.198	W	0	G		1.0	11	UNITED KINGDOM. ML 2.8 (BGS). Felt (IV) at Rosewell. Felt also at Loanhead, Lasswade and Roslin. Probable coal bump.
	09	12	56	51.8	9.294	N	126.856	E	44	•	5.1 4.7	1.3	73	MINDANAO, PHILIPPINE ISLANDS
	09	13	37	08.7&	61.689	N	147.685	W	26				37	SOUTHERN ALASKA. <AGS-P>.
	09	13	59	28.7•	31.264	S	179.881	W	337	?	4.3	1.5	18	KERMADEC ISLANDS REGION
	09	14	58	31.6	2.951	N	128.018	E	125	•	5.1	1.1	88	HALMAHERA
	09	16	11	42.3?	17.92	S	177.11	W	397	•	4.2	0.8	15	FIJI ISLANDS REGION
	09	16	27	14.0	37.699	N	25.984	E	10	G	4.2	0.7	16	DODECANESE ISLANDS. ML 3.6 (ATH).
	09	16	46	26.4?	34.48	S	72.46	W	10	G		0.3	9	NEAR COAST OF CENTRAL CHILE
	09	18	06	42.7•	29.683	S	71.979	W	33	N		1.4	15	NEAR COAST OF CENTRAL CHILE
	09	18	13	44.0?	29.92	S	71.77	W	33	N		1.4	14	NEAR COAST OF CENTRAL CHILE
	09	18	29	13.5	43.845	N	31.570	E	33	N	3.7	1.5	21	BLACK SEA
	09	21	01	28.8	44.272	N	11.454	E	10	G		0.9	30	NORTHERN ITALY. ML 3.6 (KBA), 3.3 (LDG). MD 3.1 (TRI).
	10	00	34	14.4	39.629	S	176.231	E	54	•	4.6	0.9	21	NORTH ISLAND, NEW ZEALAND. Felt at Napier, Palmerston North and Feilding.
	10	03	59	51.1•	37.182	N	69.437	E	33	N	4.2	1.3	11	AFGHANISTAN-USSR BORDER REGION
	10	05	26	29.8	29.917	N	67.442	E	10	G	4.6	0.9	51	PAKISTAN
	10	05	50	46.7?	31.80	S	64.55	W	33	N		1.4	5	CORDOBA PROVINCE, ARGENTINA
	10	06	16	00.0	23.586	S	68.696	W	86		5.1	1.2	71	NORTHERN CHILE. Felt at Calama.
	10	08	59	19.8	30.336	N	94.917	E	26		4.8	1.0	53	TIBET
	10	09	02	16.4&	59.764	N	138.394	W	1		3.8		16	SOUTHEASTERN ALASKA. <AGS-P>.
	10	09	57	09.8?	39.63	N	23.53	E	10	G		1.3	8	AEGEAN SEA
	10	10	57	11.8•	36.282	N	71.236	E	114	?	4.6	1.4	10	AFGHANISTAN-USSR BORDER REGION
	10	11	17	30.0%	59.201	N	7.194	E	0	G		0.5	8	SOUTHERN NORWAY. MD 1.9 (BER). Probable explosion.
	10	11	48	54.1&	60.332	N	152.211	W	73				24	SOUTHERN ALASKA. <AGS-P>.
	10	11	50	52.2	29.831	N	51.561	E	10	G	4.3	1.1	72	SOUTHERN IRAN. Felt in the Kazerun-Mamasani area.
	10	15	23	02.6&	33.958	N	116.880	W	2				18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (IV) at Angelus Oaks, Desert Hot Springs, North Palm Springs, Palm Springs and Thousand Palms. Felt (III) at Anza, Forest Falls and Rancho Mirage.
	10	15	35	37.1	12.306	N	143.737	E	24		4.8	1.0	34	SOUTH OF MARIANA ISLANDS
	10	17	16	28.7	45.512	N	26.389	E	132		4.2	1.1	46	ROMANIA
	10	17	47	53.4	40.576	N	23.441	E	10	G		1.2	11	GREECE
	10	17	48	24.6	7.498	S	107.233	E	82	D	5.6	1.1	173	JAVA
e	10	17	49	24.1	13.827	N	89.118	W	7	G	5.0 5.4	1.2	131	EL SALVADOR. Ms 5.5 (PAS). At least 1,000 people killed, 10,000 injured, 200,000 homeless and severe damage in the San Salvador area. About 50 fatalities were the result of landslides in the epicentral area. Some damage at Tegucigalpa, Honduras. Felt strongly in parts of Guatemala and Honduras. Depth from broadband displacement seismograms.
	10	18	03	27.4	13.754	N	89.197	W	5	G		0.8	14	EL SALVADOR

	10	18	06	25.6•	33.525	S	179.139	W	33	H	4.5	1.1	13	SOUTH OF KERMADEC ISLANDS
	10	18	10	27.3	44.572	N	147.419	E	111	D	4.5	0.8	39	KURIL ISLANDS
	10	18	18	19.8?	29.18	S	70.84	W	10	G		1.2	10	CENTRAL CHILE
	10	18	29	43.1?	31.31	S	68.84	W	101	?		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	10	18	44	29.1%	60.722	N	5.570	E	10	G		0.4	6	SOUTHERN NORWAY. MD 1.9 (BER).
	10	19	27	11.5	13.792	N	89.158	W	5	G	4.8	1.1	21	EL SALVADOR. Additional damage in the San Salvador area.
e	10	20	18	36.3•	42.132	S	84.810	W	10	G	5.4 4.5	1.3	57	WEST CHILE RISE
	10	20	58	10.9	13.671	N	89.219	W	5	G		0.5	13	EL SALVADOR. MG 3.9 (GCG).
e	10	21	03	55.3	20.183	N	122.267	E	127	D	5.1	1.2	105	PHILIPPINE ISLANDS REGION. Felt (II RF) at Pasuquin.
	10	22	42	06.2	39.061	N	27.836	E	10	G		0.4	6	TURKEY
	11	00	38	11.5•	6.318	S	150.367	E	33	H	4.3	1.4	10	NEW BRITAIN REGION
	11	02	09	47.1	44.849	N	17.322	E	10	G		1.2	39	YUGOSLAVIA. ML 3.7 (TRI), 3.7 (VKA), 3.6 (TTG). Felt (V) at Banja Luka. Also felt at Novo Gradiska.
	11	03	02	51.5	35.957	N	70.275	E	193		4.8	0.8	91	HINDU KUSH REGION
	11	03	36	23.1?	6.99	S	130.46	E	121	?	4.2	0.6	7	BANDA SEA
	11	04	56	20.8?	0.48	S	125.44	E	33	H	4.5	1.1	11	MOLUCCA SEA
	11	05	17	36.2&	37.842	N	121.940	W	7				24	CENTRAL CALIFORNIA. <BRK>. ML 4.7 (BRK). Felt (V) at Canyon, (IV) at Clayton, Danville, Dublin, Lafayette, Oakland and Pleasanton. Felt (III) at Concord, Pittsburg, Richmond, Sunol and Union City. Also felt at Berkeley, Castro Valley and Walnut Creek.
	11	06	39	38.1&	37.825	N	121.952	W	6				14	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=2.9•10••21 (BRK).
e	11	09	08	10.5	37.931	N	28.574	E	5	G	5.5 5.5	1.1	280	TURKEY. ML 5.5 (ATH). Three people injured and at least 50 homes destroyed and 150 damaged in the Aydin area; also felt in the Denizli-Izmir-Manisa area and on the Dodecanese Islands, Greece.
	11	09	23	04.9%	37.882	N	28.420	E	10	G		1.1	5	TURKEY
	11	09	49	54.7	28.136	S	71.372	W	33	H	5.0 4.9	1.4	29	NEAR COAST OF CENTRAL CHILE
	11	10	28	58.1%	37.864	N	28.430	E	10	G		0.9	6	TURKEY
	11	12	43	46.8	33.442	S	72.224	W	17	D	5.0 4.4	1.2	69	OFF COAST OF CENTRAL CHILE. Felt (III) at Valparaiso. Also felt at Santiago.
	11	13	15	44.9%	42.772	N	19.172	E	10	G		0.3	6	YUGOSLAVIA. ML 2.3 (TTG).
	11	13	16	43.8	42.534	N	145.882	E	48	D	5.2 4.5	0.9	143	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Kushiro and (I JMA) at Nemuro.
	11	13	38	43.5•	5.917	S	104.178	E	33	H	4.3	1.3	14	SOUTHERN SUMATERA
	11	14	04	53.6?	0.95	N	128.69	E	33	H	4.5	1.0	9	MINAHASSA PENINSULA
	11	15	45	22.4%	33.703	S	71.983	W	10	G		0.2	6	NEAR COAST OF CENTRAL CHILE
	11	16	04	06.3%	37.954	N	27.976	E	10	G		0.4	5	TURKEY
	11	17	05	03.5%	45.698	N	8.181	E	10	G		0.5	5	NORTHERN ITALY
	11	19	03	58.8•	19.108	S	68.968	W	31	•		0.6	6	CHILE-BOLIVIA BORDER REGION
	11	20	01	57.2•	31.429	S	71.915	W	33	H		1.0	14	NEAR COAST OF CENTRAL CHILE
	11	21	20	43.4%	39.045	N	27.836	E	10	G		0.7	6	TURKEY
	11	21	34	48.1•	6.831	N	75.116	W	75	•	5.1	1.4	15	NORTHERN COLOMBIA
	11	22	23	39.6•	48.871	N	128.184	W	10	G		1.2	14	VANCOUVER ISLAND REGION
	11	22	26	30.3	48.922	N	127.861	W	10	G	4.5	1.1	22	VANCOUVER ISLAND REGION
	11	22	54	20.6	48.960	N	127.951	W	10	G	4.2	1.2	28	VANCOUVER ISLAND REGION
	11	23	17	38.8%	39.032	N	27.876	E	10	G		0.2	5	TURKEY
	12	00	15	25.3&	60.455	N	150.890	W	61				30	KENAI PENINSULA, ALASKA. <AGS-P>.
	12	00	52	17.7•	45.732	N	26.881	E	140	G		1.0	9	ROMANIA
	12	03	23	21.8•	37.794	N	21.240	E	10	G		1.3	5	SOUTHERN GREECE. ML 3.4 (ATH).
	12	03	40	34.8	54.698	N	161.830	E	33	H	5.0 4.5	0.8	97	NEAR EAST COAST OF KAMCHATKA
	12	03	58	19.9	54.774	N	161.919	E	33	N	5.0 4.7	0.9	86	NEAR EAST COAST OF KAMCHATKA
	12	04	13	12.4	13.635	N	89.239	W	5	G		0.5	15	EL SALVADOR. MG 4.3 (GCG).
	12	06	29	27.7?	33.47	N	61.90	E	33	H	4.4	1.1	21	NORTHWESTERN AFGHANISTAN. ML 4.4 (MHI). Felt at Qaen, Iran.
	12	06	43	02.1&	38.720	N	123.580	W	13		4.2		36	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 4.0 (BRK). Mo=1.7•10••22 (BRK). Felt (V) at Sea Ranch, (IV) at Annapolis and Gualala. Felt (III) at Manchester, Point Arena and Villa Grande.
e	12	06	53	48.7	57.814	S	25.575	W	33	H	5.0	1.0	37	SOUTH SANDWICH ISLANDS REGION
	12	07	15	46.5&	60.250	N	152.714	W	97				32	SOUTHERN ALASKA. <AGS-P>.
	12	07	22	02.6?	17.60	S	177.26	W	391		4.1	1.1	29	FIJI ISLANDS REGION
	12	08	07	12.8•	4.915	S	77.250	W	136	•	4.4	1.1	18	NORTHERN PERU
	12	08	58	52.8?	14.11	N	60.08	W	10	G		0.4	6	WINDWARD ISLANDS. ML 3.2 (FDF).
	12	09	54	56.2%	39.237	N	27.675	E	10	G		0.5	5	TURKEY
	12	10	17	56.9&	57.251	N	155.244	W	63				24	ALASKA PENINSULA. <AGS-P>.
	12	11	13	39.9	39.636	N	28.984	E	12			1.0	36	TURKEY
	12	11	30	50.0?	34.76	N	139.03	E	33	H		1.5	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Ajiro, (II JMA) on Oshima and (I JMA) at Mishima.
	12	11	48	36.6	39.659	N	28.978	E	10	G		1.0	11	TURKEY
	12	13	10	32.6	0.324	S	124.339	E	33	N	4.8	1.2	35	MOLUCCA SEA
	12	14	51	05.7•	12.889	S	76.776	W	56	?		1.2	11	NEAR COAST OF PERU. Felt (III) at Lima.
	12	14	53	01.9	39.644	N	29.012	E	1			0.7	12	TURKEY
	12	15	31	11.7•	3.915	N	85.011	E	10	G	4.8	1.1	10	NORTH INDIAN OCEAN
	12	15	36	18.9•	24.876	S	179.682	W	538	•	5.3	1.2	30	SOUTH OF FIJI ISLANDS
	12	15	51	10.8%	39.633	N	28.992	E	9			1.3	10	TURKEY
	12	16	27	32.8&	61.558	N	148.578	W	25				26	SOUTHERN ALASKA. <AGS-P>.
	12	16	29	11.3	30.373	N	94.863	E	33	N	4.7	1.2	35	TIBET
	12	16	37	03.1&	37.520	N	118.390	W	6	G			12	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	12	17	55	44.9%	39.682	N	29.029	E	10	G		1.1	7	TURKEY
	12	18	28	18.5%	39.614	N	27.881	E	10	G		1.4	8	TURKEY
	12	18	41	53.4	54.804	N	161.967	E	33	N	5.0 4.1	0.7	76	NEAR EAST COAST OF KAMCHATKA
	12	18	50	54.9&	60.110	N	147.674	W	28				34	SOUTHERN ALASKA. <AGS-P>.
	12	18	56	16.6•	7.252	S	122.488	E	574	•	4.9	0.9	18	FLORES SEA
	12	19	05	41.9&	60.102	N	147.878	W	38				34	SOUTHERN ALASKA. <AGS-P>.
	12	19	07	43.6	46.388	N	13.218	E	10	G		0.9	7	AUSTRIA. MD 2.7 (TRI), ML 2.5 (KBA).
	12	19	34	22.4	21.289	S	68.523	W	127	•	4.2	0.7	9	CHILE-BOLIVIA BORDER REGION
	12	19	48	37.2	46.280	N	7.622	E	5	G		1.0	29	SWITZERLAND. ML 2.8 (LDG).
	12	20	01	33.7	37.124	N	141.419	E	60		4.8	1.1	86	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Onahama, Sendai, Utsunomiya, Fukushima and Ishinomaki.
	12	21	32	18.3	37.102	N	8.844	W	10	G	4.1	1.3	38	PORTUGAL. Felt in Algarve Province.

	12	21	52	16.8?	31.82	S	179.76	E	421	?	4.8	1.7	19	KERMADEC ISLANDS REGION
	12	22	40	58.6•	27.179	N	101.449	E	33	N	4.4	1.2	12	SICHUAN PROVINCE, CHINA
	12	22	54	15.0•	29.343	S	69.322	W	33	N		1.3	8	CHILE-ARGENTINA BORDER REGION
	12	23	12	19.8•	5.934	N	72.320	W	33	N		1.5	10	COLOMBIA
	12	23	33	46.7	34.873	N	139.131	E	10	G		0.3	10	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima and (I JMA) at Tokyo, Mishima, Ajiro and Tateyama.
	12	23	34	11.8	66.265	N	17.447	W	10	G	4.2 3.9	1.3	30	ICELAND REGION
	13	01	39	00.2	22.367	S	171.324	E	95	•	5.2	1.5	64	LOYALTY ISLANDS REGION
	13	02	26	03.0&	62.753	N	143.388	W	26				25	CENTRAL ALASKA. <AGS-P>. ML 3.8 (PMR).
	13	04	13	06.2	37.464	N	3.217	W	10	G		1.0	7	SPAIN. MG 3.4 (MDD).
	13	05	07	54.1	42.956	N	13.210	E	9			1.2	50	CENTRAL ITALY. ML 4.1 (KBA), 3.8 (LDG), 3.6 (TRI).
	13	05	09	58.6	42.891	N	13.204	E	10	G	4.4	1.2	39	CENTRAL ITALY. ML 4.3 (KBA), 3.9 (LDG).
	13	05	56	47.0?	45.85	N	16.03	E	5	G		0.2	5	YUGOSLAVIA. MD 2.4 (TRI), ML 2.3 (KBA). Felt at Zagreb.
	13	06	38	32.1?	28.73	S	68.00	W	113	?		1.4	9	LA RIOJA PROVINCE, ARGENTINA
	13	06	42	53.6•	31.301	S	69.143	W	131	?		0.9	14	SAN JUAN PROVINCE, ARGENTINA
	13	08	09	03.2	40.677	N	23.430	E	10	G		0.5	7	GREECE
	13	08	15	52.1?	33.11	S	71.83	W	33	N		1.2	9	NEAR COAST OF CENTRAL CHILE
	13	08	50	28.7?	33.12	S	71.81	W	33	N		1.3	9	NEAR COAST OF CENTRAL CHILE
	13	10	23	40.9	34.875	N	139.195	E	24		4.9	1.4	37	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Ajiro, Mishima and on Oshima; (II JMA) at Tateyama and Yokohama and (I JMA) at Tokyo and Kumagaya.
	13	10	44	32.9	31.272	S	69.341	W	33	N		1.5	13	SAN JUAN PROVINCE, ARGENTINA
	13	11	13	00.4•	19.959	N	70.738	W	10	G		1.2	12	DOMINICAN REPUBLIC REGION
	13	12	00	09.7	60.387	N	5.399	E	0	G		0.4	7	SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion.
	13	12	05	30.0&	62.148	N	149.493	W	48				18	CENTRAL ALASKA. <AGS-P>.
	13	12	06	07.1•	33.867	S	119.065	E	10	G		1.2	6	WESTERN AUSTRALIA
	13	13	44	23.1•	33.689	N	139.512	E	28	•	4.7	1.0	12	SOUTH OF HONSHU, JAPAN
	13	14	57	01.0%	60.723	N	5.569	E	10	G		0.2	6	SOUTHERN NORWAY. MD 2.0 (BER).
a	13	16	11	40.4	36.867	N	70.848	E	117	D	5.4	1.2	216	HINDU KUSH REGION. Felt at Peshawar, Pakistan.
	13	20	07	21.8	23.396	S	68.516	W	117	•	5.2	1.6	39	NORTHERN CHILE. Felt (IV) at Toconao. Also felt at Calama.
	13	20	11	47.9?	16.95	N	104.93	W	10	G	3.7	1.2	8	OFF COAST OF MICHOACAN, MEXICO
a	13	21	17	58.9	37.102	N	141.011	E	65	G	5.7	0.9	357	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Onahama; (III JMA) at Fukushima, Shirakawa, Utsunomiya, Sendai and Mito; (II JMA) at Tokyo, Kumagaya, Yokohama and Ishinomaki; (I JMA) at Maebashi, Ofunato, Wakayama, Ajiro, Morioka, Miyako, Akita and Iida. Depth from broadband displacement seismograms.
	13	22	24	34.1	13.721	N	89.237	W	5	G		1.1	22	EL SALVADOR. MG 4.4 (GCG). Felt at San Salvador.
	13	22	56	48.1	30.232	N	94.889	E	33	N	4.6	1.3	19	TIBET
	13	23	05	35.7%	35.105	N	135.718	E	10	G		0.2	5	SOUTHERN HONSHU, JAPAN. Felt (I JMA) at Kyoto and Osaka.
	13	23	23	19.0•	6.488	N	72.487	W	91	?		1.0	6	NORTHERN COLOMBIA
	14	01	45	11.6%	40.700	N	29.839	E	10	G		0.4	8	TURKEY
	14	02	08	46.0	24.042	N	122.377	E	61	•	4.8	1.1	29	TAIWAN REGION
	14	04	53	10.8	52.116	N	168.762	W	33	N	4.9	1.0	86	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
	14	06	17	02.6	26.286	S	27.456	E	5	G	4.5	1.3	9	REPUBLIC OF SOUTH AFRICA
	14	08	36	21.8	63.302	N	149.375	W	11			0.6	7	CENTRAL ALASKA. ML 3.0 (PMR).
	14	09	00	59.3	37.939	N	28.544	E	10	G		0.9	7	TURKEY
	14	10	48	26.0	63.288	N	149.439	W	22	•		0.5	8	CENTRAL ALASKA. ML 3.8 (PMR).
	14	10	57	01.7	63.388	N	149.436	W	29			0.7	8	CENTRAL ALASKA. ML 3.7 (PMR).
o	14	12	16	20.8•	37.019	S	95.884	W	10	G	5.0 4.6	1.1	40	SOUTHERN PACIFIC OCEAN
	14	12	17	53.3	44.023	N	114.674	W	5	G		1.1	12	WESTERN IDAHO. ML 3.9 (NEIS). Felt (IV) at Clayton.
	14	12	19	15.8?	30.73	S	72.08	W	33	N		0.8	8	OFF COAST OF CENTRAL CHILE
o	14	13	07	19.1	43.142	S	41.776	E	10	G	5.4 5.6	1.5	56	PRINCE EDWARD ISLANDS REGION
	14	13	10	09.8	44.058	N	114.712	W	5	G		0.7	10	WESTERN IDAHO. ML 3.9 (NEIS).
	14	13	43	47.5	44.066	N	114.684	W	5	G		0.7	9	WESTERN IDAHO. ML 3.6 (NEIS).
	14	14	00	14.6%	60.499	N	5.381	E	10	G		0.7	7	SOUTHERN NORWAY. MD 1.5 (BER).
	14	14	03	02.0	25.035	N	91.976	E	33	N	4.7	1.1	17	INDIA-BANGLADESH BORDER REGION
	14	14	32	42.4•	16.971	N	99.712	W	33	N		1.0	6	NEAR COAST OF GUERRERO, MEXICO. Felt at Acapulco.
	14	14	34	56.6?	35.31	S	70.78	W	33	N		0.9	12	CHILE-ARGENTINA BORDER REGION
	14	15	24	42.0•	16.671	N	100.472	W	33	N		1.1	6	NEAR COAST OF GUERRERO, MEXICO. Felt at Acapulco.
f	14	16	53	08.1	5.030	S	153.616	E	41	G	6.2 6.6	1.2	384	NEW IRELAND REGION. Ms 6.0 (PAS). Felt (V) at Rabaul, New Britain and (IV) at Arawa and Panguna, Bougainville. Depth from broadband displacement seismograms.
	14	17	01	29.4?	31.93	S	72.04	W	33	N		0.3	8	OFF COAST OF CENTRAL CHILE
	14	17	27	04.5?	73.79	N	7.94	E	10	G	4.5	1.3	14	GREENLAND SEA
	14	17	58	49.1	5.058	S	153.665	E	76	•	4.1	0.8	15	NEW IRELAND REGION
	14	19	04	13.9	6.292	S	130.236	E	132	•	5.1	1.1	53	BANDA SEA
	14	20	07	45.3•	37.319	N	28.828	E	10	G		1.2	5	TURKEY
	14	20	32	52.7	39.108	N	27.818	E	10	G		0.7	9	TURKEY
	14	20	47	11.6•	16.974	N	99.732	W	33	N		1.5	8	NEAR COAST OF GUERRERO, MEXICO
	14	21	18	00.5	31.846	S	178.654	W	63	•	5.6	1.4	57	KERMADEC ISLANDS REGION
	14	21	54	55.7%	15.277	N	61.090	W	10	G		1.1	6	LEEWARD ISLANDS. ML 2.2 (FDF).
	14	22	09	58.1•	28.841	S	67.410	W	178	?		0.9	16	LA RIOJA PROVINCE, ARGENTINA
	15	00	03	36.0•	1.920	N	126.634	E	33	N	4.5	1.0	16	MOLUCCA PASSAGE
	15	00	07	56.0•	27.848	S	72.357	W	33	N		1.4	13	OFF COAST OF NORTHERN CHILE
	15	01	57	11.3	31.416	S	69.132	W	120	•		0.9	19	SAN JUAN PROVINCE, ARGENTINA
	15	02	09	24.9%	39.051	N	27.910	E	10	G		0.4	7	TURKEY
	15	02	28	47.7&	33.958	N	116.570	W	9		4.3		37	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.7 (PAS), 4.1 (BRK). Felt (V) at Coachella, Desert Hot Springs, La Quinta, Palm Springs, Rancho Mirage and Thousand Palms. Felt (IV) at Beaumont, Forest Falls, Hemet, Indio, Joshua Tree, North Palm Springs, Palm Desert, Thermal, Twentynine Palms and Yucca Valley.
	15	04	49	58.7&	62.510	N	147.057	W	10				35	CENTRAL ALASKA. <AGS-P>. ML 3.1 (PMR).
	15	04	52	48.0%	46.314	N	2.566	E	17	•		0.2	9	FRANCE. ML 2.3 (LDG).
	15	05	27	06.8•	15.298	N	104.565	W	10	G	4.3 3.8	0.9	14	OFF COAST OF MICHOACAN, MEXICO
	15	05	46	17.2•	34.056	N	118.326	W	5	G		0.2	5	SOUTHERN CALIFORNIA. ML 2.7 (PAS). Felt at Glendale and Burbank.
	15	05	56	29.2•	5.079	N	125.562	E	209	?	3.7	1.0	13	MINDANAO, PHILIPPINE ISLANDS
	15	06	11	33.0	32.458	S	69.998	W	115		4.8	0.9	23	MENDOZA PROVINCE, ARGENTINA

	15	06	22	50.9&	38.500	N	116.540	W	6	G			1	BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	15	07	19	16.5•	43.480	N	146.840	E	65	•	4.3	1.0	14	KURIL ISLANDS. Felt (II JMA) at Nemuro and (I JMA) at Kushiro, Hokkaido.
	15	08	19	17.8&	34.990	N	119.210	W	1				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	15	08	23	24.1•	5.281	S	144.976	E	66	•	4.0	0.8	8	PAPUA NEW GUINEA
	15	09	15	48.3?	13.97	N	93.79	W	33	N	4.1	1.5	10	OFF COAST OF CHIAPAS, MEXICO
	15	09	53	04.8	22.111	S	67.449	W	168	?	4.6	0.7	9	CHILE-BOLIVIA BORDER REGION
	15	09	56	26.0	16.959	N	60.848	W	33	N	4.5 3.6	0.0	17	LEEWARD ISLANDS. ML 4.0 (FDF).
	15	09	58	43.7•	73.560	N	7.845	E	10	G	4.4	1.5	14	GREENLAND SEA
	15	12	06	53.3?	18.29	S	67.83	W	293	?		0.9	9	BOLIVIA
	15	12	07	29.0•	50.289	N	13.572	E	10	G		1.4	5	CZECHOSLOVAKIA. ML 3.5 (VKA), 3.2 (KBA).
	15	13	03	17.5%	39.097	N	27.608	E	10	G		0.8	6	TURKEY
a	15	13	14	29.4	6.228	S	146.848	E	90		5.4	1.2	97	EAST PAPUA NEW GUINEA REGION
	15	13	16	38.7	19.989	N	121.281	E	33	N	4.8 4.5	1.1	37	PHILIPPINE ISLANDS REGION
	15	14	05	47.3	36.379	N	70.662	E	207	•	4.6	0.8	19	HINDU KUSH REGION
	15	15	01	57.4	40.701	N	29.727	E	10	G		1.1	14	TURKEY
	15	15	16	27.4%	14.987	N	60.733	W	33	N		0.3	7	WINDWARD ISLANDS. ML 2.7 (FDF).
	15	15	34	14.2?	46.46	N	4.96	E	10	G		0.3	7	FRANCE. ML 2.5 (LDG).
	15	16	24	01.8•	37.184	N	67.712	E	33	N	4.1	0.5	7	AFGHANISTAN-USSR BORDER REGION
	15	17	41	38.9%	47.558	N	0.735	W	10	G		0.6	6	FRANCE. ML 3.2 (LDG).
	15	18	23	06.0&	59.990	N	152.841	W	100				32	SOUTHERN ALASKA. <AGS-P>.
	15	19	11	34.4•	3.008	N	97.153	E	92	?	3.8	0.8	7	NORTHERN SUMATERA
	15	22	03	05.3	9.940	S	162.978	E	10		5.6 5.2	1.4	103	SOLOMON ISLANDS. Ms 5.4 (BRK). Felt (II) at Honiara.
	15	22	22	07.3•	11.136	S	165.303	E	33	N	4.8	1.1	10	SANTA CRUZ ISLANDS
	15	22	31	56.3?	4.31	S	135.60	E	33	N	4.0	0.9	6	WEST IRIAN REGION
a	15	23	04	15.1	56.372	S	25.648	W	33	N	5.5 5.0	1.3	55	SOUTH SANDWICH ISLANDS REGION
	15	23	35	51.2	59.705	N	153.072	W	121		4.6	0.7	95	SOUTHERN ALASKA. Felt (III) at Homer.
	15	00	37	16.3?	14.52	N	104.48	W	10	G	4.1	1.5	11	OFF COAST OF MEXICO
	16	00	45	00.5	45.495	N	14.244	E	10	G		1.2	33	YUGOSLAVIA. ML 3.5 (KBA), 3.2 (LDG), 3.0 (TRI). Felt (VI) in the Visoko-Marcelji area.
	16	02	09	34.7%	37.822	N	27.339	E	10	G		1.5	6	TURKEY
	16	03	11	31.8•	39.677	N	28.803	E	10	G		0.7	7	TURKEY
	16	04	48	41.8•	16.099	N	62.249	W	31	•		1.2	7	LEEWARD ISLANDS. ML 3.5 (FDF).
	16	05	38	14.5?	40.89	S	85.83	E	10	G	4.8	1.4	10	SOUTHEAST INDIAN RISE
	16	06	16	41.3&	40.355	N	123.877	W	5				4	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK). Felt (III) at Rio Dell. Also felt at Scotia.
	16	06	28	13.0?	15.85	N	60.54	W	33	N		0.3	6	LEEWARD ISLANDS. ML 3.3 (FDF).
	16	06	46	34.1	38.348	N	25.180	E	10	G		0.7	6	AEGEAN SEA. ML 3.2 (ATH).
	16	07	04	35.2	40.347	N	139.365	E	22		4.4	1.4	25	NEAR WEST COAST OF HONSHU, JAPAN. Felt (I JMA) at Akita and Ajiro.
	16	07	18	11.5•	50.111	N	5.489	E	10	G		1.5	5	BELGIUM
	16	09	56	57.5?	15.07	S	66.89	E	10	G	4.8	1.4	10	MID-INDIAN RISE
	16	11	20	37.6&	37.755	N	122.138	W	7				11	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Felt at San Leandro.
	16	11	31	42.5•	11.249	S	165.228	E	36	•	4.3	0.8	11	SANTA CRUZ ISLANDS
	16	13	56	18.5•	7.613	N	76.510	W	127	•		1.2	10	NORTHERN COLOMBIA
	16	15	07	46.3%	60.718	N	5.559	E	10	G		0.2	7	SOUTHERN NORWAY. MD 2.1 (BER).
	16	15	36	11.1	34.869	N	139.112	E	11			0.7	8	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima.
	16	15	54	48.8	46.894	N	9.803	E	10	G		1.2	18	SWITZERLAND. ML 3.0 (KBA), 2.9 (LDG).
	16	17	59	03.4•	30.488	N	68.443	E	33	N	4.5	1.5	10	PAKISTAN
	16	19	01	47.9	28.978	N	52.731	E	33	N	4.6	0.7	67	SOUTHERN IRAN
	16	19	25	00.0&	37.220	N	116.462	W	0		5.6		219	SOUTHERN NEVADA. <DOE>. ML 5.5 (BRK). 37° 13' 12.77" N., 116° 27' 41.89" W., Surface Elev. 1898 m., Depth of Burial 600 m., Shot Time 192500.089, "BELMONT", Nevada Test Site (Dept. of Energy).
a	16	19	54	10.4	27.727	N	66.650	E	43	•	5.2 4.5	0.9	121	PAKISTAN. About 150 buildings damaged in the Khuzdar area.
	16	20	11	14.6•	32.704	S	71.488	W	33	N		0.8	11	NEAR COAST OF CENTRAL CHILE
	16	20	27	59.2	6.328	S	146.389	E	74		4.7	1.0	31	EAST PAPUA NEW GUINEA REGION
	16	20	29	13.1•	54.810	S	130.189	W	10	G	4.9 5.1	1.1	30	SOUTH PACIFIC CORDILLERA
	16	21	09	30.1•	37.788	N	27.346	E	10	G		1.3	8	TURKEY
	16	21	36	27.8?	22.78	S	114.51	E	10	G		1.0	7	WESTERN AUSTRALIA
	16	22	18	23.2?	43.58	N	0.56	W	10	G		1.4	12	PYRENEES. ML 3.0 (LDG).
	16	23	03	07.5	1.355	N	127.587	E	207		4.7	0.9	30	HALMAHERA
	17	00	20	46.5•	44.505	N	10.740	E	10	G		0.9	6	NORTHERN ITALY. ML 2.5 (KBA).
	17	00	28	45.4&	31.670	N	116.220	W	6	G			8	BAJA CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	17	01	20	05.1&	60.146	N	152.600	W	74				28	SOUTHERN ALASKA. <AGS-P>.
	17	03	47	31.3	6.170	S	153.739	E	11		4.4	0.6	12	NEW BRITAIN REGION
	17	04	20	44.4•	33.327	S	179.588	W	33	N	4.8	1.1	10	SOUTH OF KERMADEC ISLANDS
	17	04	29	24.6	43.161	N	13.832	E	10	G		1.4	56	CENTRAL ITALY. ML 4.0 (LDG), 4.0 (KBA), 3.8 (TRI).
	17	07	17	57.7•	6.370	S	130.159	E	158	•	4.5	1.5	16	BANDA SEA
a	17	07	32	51.3	5.272	S	131.432	E	67		6.3	1.1	320	BANDA SEA. Ms 6.1 (BRK).
	17	08	32	16.1•	38.985	N	26.970	E	17			1.2	12	AEGEAN SEA
	17	09	04	36.0	43.149	N	29.318	W	10	G	5.0	1.0	100	NORTH ATLANTIC RIDGE
	17	09	38	59.8	45.148	N	149.843	E	33	N	5.4	0.9	137	KURIL ISLANDS
	17	10	33	05.7	41.146	N	32.388	E	12		4.5	1.3	80	TURKEY. Felt at Zonguldak and Sakarya.
	17	11	27	04.3•	1.993	N	124.907	E	219	?	4.7	0.9	12	MINAHASSA PENINSULA
	17	13	06	05.4•	41.700	N	126.988	W	10	G	4.3 3.9	1.0	20	OFF COAST OF NORTHERN CALIFORNIA
	17	14	21	11.3?	41.51	N	127.59	W	10	G		1.1	11	OFF COAST OF NORTHERN CALIFORNIA
	17	14	47	59.0&	47.000	N	66.600	W	5	G			11	NEW BRUNSWICK. <OTT-P>. mbLg 4.1 (OTT). Felt at Bathurst.
	17	15	31	28.2•	15.144	S	75.651	W	33	N	4.6	1.0	11	NEAR COAST OF PERU
	17	16	22	28.7•	10.854	S	164.923	E	42	?	4.7	1.1	12	SANTA CRUZ ISLANDS REGION
	17	16	45	11.8	6.819	N	73.006	W	160		5.1	1.0	88	NORTHERN COLOMBIA. Felt at Bogota and in many areas of northern Colombia. Also felt at San Cristobal and Tachira, Venezuela.
	17	18	56	16.6&	34.370	N	116.380	W	7				10	SOUTHERN CALIFORNIA. <PAS-P> ML 3.5 (PAS)
a	17	20	21	18.9	18.286	S	173.947	W	189	D	5.2	1.4	83	TONGA ISLANDS
	17	20	59	32.3•	7.546	S	131.871	E	114	•		1.5	8	TANIMBAR ISLANDS REGION
	17	21	06	46.2?	28.33	S	70.15	W	211	?		1.9	8	CENTRAL CHILE
	17	22	31	24.8%	43.516	N	7.756	E	10	G		1.0	7	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG).
	17	22	58	09.0•	12.142	N	144.197	E	41	•	4.6	0.8	16	SOUTH OF MARIANA ISLANDS

	17	23	13	21.8•	39.071	N	27.871	E	10	G		1.1	7	TURKEY
	17	23	29	30.9?	16.58	S	179.96	W	539	•	3.9	1.4	49	FIJI ISLANDS REGION
	18	00	06	35.6?	51.57	N	16.08	E	10	G		0.8	11	POLAND. ML 4.2 (GRF), 3.8 (VKA), 3.8 (KBA).
	18	00	17	26.1•	37.233	N	28.435	E	10	G		1.3	5	TURKEY
	18	00	36	44.4	31.612	S	69.325	W	135	•		1.0	21	SAN JUAN PROVINCE, ARGENTINA
a	18	01	02	52.1	51.730	N	175.285	W	33	N	5.4 4.9	1.0	210	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.3 (PMR).
	18	02	16	55.7•	28.782	S	71.598	W	33	N		1.0	12	NEAR COAST OF CENTRAL CHILE
	18	02	35	00.9	31.673	S	68.119	W	9			1.4	16	SAN JUAN PROVINCE, ARGENTINA
	18	04	51	09.1?	51.81	N	175.25	W	33	N	4.4	2.1	6	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	06	33	27.3	45.488	N	26.281	E	145	•		0.9	18	ROMANIA
	18	07	45	24.5?	33.78	S	72.16	W	33	N		0.8	8	OFF COAST OF CENTRAL CHILE
	18	08	45	21.1	42.284	N	19.886	E	10	G		0.8	6	YUGOSLAVIA. ML 2.3 (TTG).
	18	08	48	38.7	29.989	N	51.454	E	54	•	4.9 3.9	0.9	79	SOUTHERN IRAN. Minor damage in the Mamasani area.
	18	08	54	39.4	5.067	N	125.319	E	201	•	5.2	1.2	45	MINDANAO, PHILIPPINE ISLANDS
	18	09	45	34.7•	29.953	S	71.453	W	33	N		1.5	11	NEAR COAST OF CENTRAL CHILE
a	18	09	46	44.8	12.133	N	142.880	E	52		5.7 4.9	1.1	203	SOUTH OF MARIANA ISLANDS
	18	09	54	44.5•	31.918	S	67.640	W	5	G		1.6	16	SAN JUAN PROVINCE, ARGENTINA
	18	10	32	40.3•	19.984	S	69.265	W	33	N		1.2	8	NORTHERN CHILE
	18	11	49	53.7•	22.685	S	175.367	W	112	?	4.7	1.4	36	TONGA ISLANDS REGION
	18	13	35	15.0?	35.74	S	71.25	W	33	N		0.9	8	CENTRAL CHILE
	18	14	03	37.9	27.679	N	66.669	E	32		4.8	0.9	39	PAKISTAN
	18	14	20	46.8±	46.297	N	112.058	W	5	G			12	MONTANA. <BUT>. ML 3.1 (BUT), 3.2 (NEIS). Felt at Jefferson City.
	18	15	13	45.7	39.632	N	20.226	E	13		4.2	1.1	42	GREECE-ALBANIA BORDER REGION. ML 4.1 (ATH), 3.9 (TTG).
	18	15	53	50.0•	34.487	N	25.589	E	33	N	4.0	1.5	12	CRETE
	18	18	21	58.6%	46.690	N	9.643	E	10	G		1.0	5	SWITZERLAND
	18	18	55	38.7±	46.292	N	112.023	W	5	G			14	MONTANA. <BUT>. ML 3.4 (BUT), 3.5 (NEIS). Felt at Jefferson City.
	18	19	22	10.1	63.153	N	150.443	W	119	?		1.1	11	CENTRAL ALASKA. Felt at Cantwell.
	18	20	51	33.2	10.252	S	75.484	W	33	N	4.7	1.3	14	PERU
	18	21	21	28.7	42.064	N	111.454	W	5	G		0.6	7	EASTERN IDAHO. ML 3.5 (NEIS). Felt (IV) at Saint Charles and (III) at Fish Haven. Also felt (III) at Garden City and Laketown, Utah.
a	18	22	09	31.7	5.631	S	109.997	E	643	G	5.7	1.1	288	JAVA SEA. Depth from broadband displacement seismograms.
	19	00	33	32.9?	18.64	S	176.64	W	292	?	4.3	0.6	6	FIJI ISLANDS REGION
	19	00	42	40.5±	38.487	N	119.317	W	10	G			18	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).
	19	01	56	32.1•	4.539	S	152.792	E	28	•	4.7	0.9	9	NEW BRITAIN REGION
	19	03	17	05.2?	31.65	S	70.00	W	123	?		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	19	03	24	16.0•	22.626	S	175.219	W	125	?	4.9	1.1	34	TONGA ISLANDS REGION
	19	04	26	58.2?	18.43	N	144.31	E	73	?	4.3	1.4	11	MARIANA ISLANDS
	19	05	18	29.2?	33.31	S	71.94	W	33	N		0.5	8	NEAR COAST OF CENTRAL CHILE
	19	06	28	11.4?	52.63	N	170.67	W	33	N	4.7	1.1	10	FOX ISLANDS, ALEUTIAN ISLANDS
	19	06	51	15.2	31.258	S	68.636	W	112	•		1.0	17	SAN JUAN PROVINCE, ARGENTINA
	19	07	48	17.8•	38.663	N	7.806	W	10	G		0.8	5	PORTUGAL. MG 3.2 (MTH).
	19	09	03	47.6•	35.931	N	22.509	E	33	N	4.2	1.4	21	MEDITERRANEAN SEA. ML 4.5 (ATH).
	19	10	01	43.7±	46.290	N	112.018	W	5	G			13	MONTANA. <BUT>. ML 3.3 (BUT), 3.3 (NEIS). Felt at Jefferson City and Elkhorn.
	19	10	17	56.7•	26.880	S	67.328	W	33	N		1.0	8	CATAMARCA PROVINCE, ARGENTINA
	19	12	49	31.7	17.23	S	69.98	W	33	N		1.0	6	PERU-BOLIVIA BORDER REGION
	19	13	12	00.6	4.906	S	153.464	E	69	•	4.8	1.1	18	NEW IRELAND REGION
	19	16	39	00.0•	23.746	S	66.814	W	221	•		0.4	7	JUJUY PROVINCE, ARGENTINA
	19	18	00	11.9•	59.384	S	25.619	W	33	N	4.5	1.0	17	SOUTH SANDWICH ISLANDS REGION
	19	18	09	56.5±	36.100	N	117.850	W	4				11	CALIFORNIA-NEVADA BORDER REGION. <PAS-P> ML 3.2 (PAS).
o	19	18	30	57.2	63.887	N	178.727	W	10	G	5.4 4.9	0.9	132	BERING SEA
	19	18	42	19.3%	15.212	N	61.350	W	10	G		0.3	10	LEEWARD ISLANDS. ML 3.1 (FDF).
	19	18	52	01.2%	46.364	N	7.574	E	10	G		0.2	5	SWITZERLAND
	19	19	18	23.0	42.356	N	19.878	E	10	G		0.4	6	YUGOSLAVIA. ML 2.3 (TTG).
	19	19	21	41.7?	29.80	S	72.19	W	33	N		1.0	12	OFF COAST OF CENTRAL CHILE
	19	21	11	23.1	38.206	N	138.967	E	440	•	4.7	0.8	62	SOUTH OF HONSHU, JAPAN
	19	21	37	54.7	42.973	N	13.878	E	10	G		1.3	26	CENTRAL ITALY. ML 3.5 (KBA), 3.4 (LDG).
	19	21	48	44.9•	33.372	S	72.758	W	33	N	4.1	1.5	19	OFF COAST OF CENTRAL CHILE
	19	21	53	34.8±	59.509	N	152.682	W	81				47	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Homer.
	19	22	37	00.2•	9.269	N	126.984	E	69	?	4.8	1.1	14	MINDANAO, PHILIPPINE ISLANDS
	20	01	15	14.7%	39.195	N	28.879	E	10	G		0.6	6	TURKEY
	20	01	47	54.5•	39.569	N	34.594	E	10	G		1.1	6	TURKEY
	20	02	48	59.8±	37.457	N	121.707	W	6				12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	20	03	03	22.2	37.145	N	4.189	W	10	G		1.4	28	SPAIN. MG 3.8 (MDD). Felt (V) in the Loja-Zafarraya-Alhama de Granada area.
	20	03	32	32.6%	40.099	N	29.325	E	10	G		0.5	8	TURKEY
	20	04	05	29.4•	48.417	N	12.484	E	10	G		1.4	5	GERMANY
	20	04	16	05.1	39.317	N	27.978	E	14	•		1.4	13	TURKEY
	20	04	28	17.4	2.073	N	128.195	E	130	?	5.2	1.1	51	HALMAHERA
	20	04	32	49.0	37.918	N	101.372	W	5	G		0.8	12	KANSAS. mbLg 3.0 (NEIS), 2.9 (TUL). Felt (IV) at Lakin and (III) at Friend.
	20	05	31	38.2?	51.10	N	20.03	E	10	G		1.8	5	POLAND. ML 2.9 (KRA).
o	20	05	33	40.7	4.832	S	153.451	E	78		5.5	1.1	99	NEW IRELAND REGION. Felt (IV) at Rabaul, New Britain and (III) at Arawa, Bougainville.
	20	06	19	09.3%	39.270	N	28.911	E	10	G		0.8	8	TURKEY
	20	06	27	13.9	2.823	N	126.948	E	33	N	5.2	1.2	52	MOLUCCA PASSAGE
	20	06	30	25.6	2.771	N	126.912	E	42	•	5.5 5.1	1.1	74	MOLUCCA PASSAGE
	20	06	32	39.9•	29.180	S	68.433	W	33	N		1.2	8	SAN JUAN PROVINCE, ARGENTINA
	20	06	35	49.2%	39.400	N	28.861	E	10	G		1.2	7	TURKEY
	20	06	38	54.6•	6.484	S	154.957	E	53	•	4.4	1.1	15	SOLOMON ISLANDS. Felt (III) at Panguna, Bougainville.
f	20	06	46	09.9	28.117	S	176.387	W	29	G	6.6 8.1	1.2	489	KERMADEC ISLANDS REGION. Ms 8.3 (BRK). Objects knocked from shelves on Raoul Island. Felt at Napier and Wellington, New Zealand. Tsunami generated with maximum wave heights 22 cm at Hilo, 15 cm at Kahului, 13 cm at Honolulu and 7 cm at Kona, Hawaii; 14 cm at Papeete, Tahiti; and 10 cm at Pago Pago, Samoa Islands. Depth from broadband displacement seismograms.
	20	07	25	58.4•	51.392	N	174.748	W	33	N	4.8	1.3	28	ANDREANOF ISLANDS, ALEUTIAN IS.
	20	07	26	34.6•	28.393	S	176.737	W	33	N	5.2	1.4	29	KERMADEC ISLANDS REGION

	20	07 27 40.3*	28.129 S	175.748 W	33 N	4.9		1.1	10	KERMADEC ISLANDS REGION
	20	07 44 12.6*	46.240 N	7.315 E	10 G			1.1	6	FRANCE. ML 2.3 (LDG).
	20	07 48 01.87	28.10 S	175.82 W	33 N	5.0		1.4	14	KERMADEC ISLANDS REGION
	20	08 04 22.3*	28.151 S	176.267 W	33 N	5.1		1.4	38	KERMADEC ISLANDS REGION
	20	08 11 38.7	27.786 S	176.588 W	33 N	5.4		0.9	57	KERMADEC ISLANDS REGION
	20	08 23 19.1	27.986 S	176.390 W	33 N	5.2		1.2	68	KERMADEC ISLANDS REGION
	20	08 40 10.1*	27.989 S	175.830 W	33 N	5.0		1.4	13	KERMADEC ISLANDS REGION
	20	08 43 21.3*	2.080 N	126.781 E	33 N	5.0		1.2	18	MOLUCCA PASSAGE
	20	08 48 12.9*	28.379 S	176.135 W	33 N	4.8		1.0	18	KERMADEC ISLANDS REGION
	20	08 50 39.8*	28.367 S	176.166 W	33 N	5.2		1.1	25	KERMADEC ISLANDS REGION
	20	08 58 19.7*	27.647 S	176.762 W	33 N	4.6		0.7	14	KERMADEC ISLANDS REGION
	20	09 02 33.6	27.390 S	176.423 W	33 N	5.3		1.2	85	KERMADEC ISLANDS REGION
	20	09 16 39.3?	27.47 S	177.03 W	33 N	4.7		1.0	12	KERMADEC ISLANDS REGION
	20	09 17 01.1*	33.049 S	71.686 W	33 N			1.3	11	NEAR COAST OF CENTRAL CHILE
	20	09 42 49.4?	28.30 S	176.37 W	33 N	4.8		0.3	10	KERMADEC ISLANDS REGION
	20	09 58 34.1*	27.788 S	176.415 W	33 N	4.9		1.2	18	KERMADEC ISLANDS REGION
	20	10 27 08.7*	27.752 S	176.496 W	33 N	4.8		0.9	16	KERMADEC ISLANDS REGION
	20	10 29 51.2*	28.088 S	176.421 W	33 N	4.9		1.2	46	KERMADEC ISLANDS REGION
	20	10 31 53.5*	26.855 S	175.673 W	33 N	5.0		1.1	16	SOUTH OF TONGA ISLANDS
	20	10 44 00.8*	37.850 N	27.451 E	10 G			1.0	5	TURKEY
	20	10 51 56.4&	62.117 N	149.539 W	51				25	CENTRAL ALASKA. <AGS-P>.
	20	10 52 51.8*	34.536 S	70.594 W	33 N			1.4	11	CHILE-ARGENTINA BORDER REGION
	20	11 07 04.8	27.686 S	176.219 W	33 N	5.2		1.1	56	KERMADEC ISLANDS REGION
	20	11 08 13.1	27.599 S	176.156 W	33 N	5.3		1.0	52	KERMADEC ISLANDS REGION
	20	11 10 33.2?	28.20 S	175.85 W	33 N	4.9		1.0	11	KERMADEC ISLANDS REGION
	20	11 12 35.3	28.061 S	176.233 W	33 N	5.4	5.3	1.1	76	KERMADEC ISLANDS REGION
	20	11 31 23.5*	27.700 S	176.328 W	33 N	4.6		0.9	16	KERMADEC ISLANDS REGION
	20	11 36 56.1	27.369 S	176.276 W	33 N	5.3		1.1	52	KERMADEC ISLANDS REGION
	20	12 01 42.1	27.681 S	176.168 W	33 N	5.7	5.5	1.1	148	KERMADEC ISLANDS REGION
	20	12 15 31.9	43.169 N	13.848 E	10 G	4.7		1.4	62	CENTRAL ITALY. ML 4.5 (KBA), 4.4 (VKA), 4.1 (TRI), 4.1 (TTG). Felt (VI) in the Macerata-Ascoli Piceno area.
	20	12 17 55.3*	27.995 S	176.282 W	33 N	4.8		1.5	14	KERMADEC ISLANDS REGION
	20	12 32 45.7	27.915 S	176.389 W	33 N	5.5	5.7	1.3	110	KERMADEC ISLANDS REGION
	20	12 43 49.9*	27.653 S	176.152 W	33 N	5.0		1.1	29	KERMADEC ISLANDS REGION
	20	12 57 42.2*	51.164 N	174.732 W	33 N	4.8		1.0	11	ANDREANOF ISLANDS, ALEUTIAN IS.
	20	12 57 43.1&	59.615 N	151.612 W	56				28	KENAI PENINSULA, ALASKA. <AGS-P>.
	20	13 10 10.1%	60.719 N	5.610 E	10 G			0.7	6	SOUTHERN NORWAY. MD 1.7 (BER).
	20	13 26 00.07	28.30 S	177.11 W	33 N	4.8		1.0	16	KERMADEC ISLANDS REGION
	20	14 38 15.9*	39.079 N	27.614 E	10 G			1.4	7	TURKEY
o	20	14 41 28.0	27.932 S	176.134 W	33 N	5.6	6.1	1.2	131	KERMADEC ISLANDS REGION
	20	14 48 18.5	36.776 N	8.759 W	33	4.8		1.1	91	WEST OF GIBRALTAR. Felt (VI) in Algarve Province, Portugal. Felt (IV) in the El Granado-Ayamonte area and (III) in the Huelva area, Spain.
	20	15 52 52.9	27.174 S	176.326 W	33 N	5.1	5.5	1.4	58	KERMADEC ISLANDS REGION
	20	16 01 33.8	27.662 S	176.169 W	33 N	5.4		1.2	70	KERMADEC ISLANDS REGION
	20	16 06 57.9*	27.995 S	176.617 W	33 N	4.7		1.1	20	KERMADEC ISLANDS REGION
	20	16 48 57.3*	34.958 N	26.233 E	49 *	4.5		1.2	13	CRETE
	20	17 13 37.6	28.089 S	176.553 W	33 N	5.0		1.3	50	KERMADEC ISLANDS REGION
	20	17 29 26.07	40.71 N	29.79 E	10 G			0.8	7	TURKEY
	20	18 15 53.7%	39.184 N	28.996 E	10 G			1.1	11	TURKEY
o	20	18 16 04.1	27.972 S	176.280 W	33 N	5.3	5.6	1.4	89	KERMADEC ISLANDS REGION
	20	18 31 41.6*	27.210 S	176.011 W	33 N	5.2		1.4	34	KERMADEC ISLANDS REGION
o	20	19 39 15.5	27.792 S	176.624 W	33 N	5.5	5.5	1.2	108	KERMADEC ISLANDS REGION
	20	19 45 26.2*	53.039 N	166.782 W	33 N	4.8		1.0	19	FOX ISLANDS, ALEUTIAN ISLANDS
	20	20 29 13.3%	43.943 N	7.521 E	10 G			0.3	6	NEAR SOUTH COAST OF FRANCE. ML 3.0 (LDG).
	20	21 03 35.17	27.24 S	176.16 W	33 N	4.4		0.5	7	KERMADEC ISLANDS REGION
	20	21 23 10.6	28.153 S	176.732 W	33 N	5.4	5.5	1.2	81	KERMADEC ISLANDS REGION
	20	21 26 17.5	27.945 S	176.641 W	33 N	5.6	5.8	1.1	112	KERMADEC ISLANDS REGION
	20	21 58 15.7	27.885 S	176.384 W	33 N	5.1		1.1	51	KERMADEC ISLANDS REGION
	20	22 19 29.2	28.178 S	176.350 W	33 N	4.9	5.2	1.1	49	KERMADEC ISLANDS REGION
	20	22 35 29.9&	32.956 N	117.790 W	10				10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
o	20	22 51 18.9	28.211 S	176.276 W	33 N	5.3	5.1	1.1	77	KERMADEC ISLANDS REGION
	20	22 54 35.5	47.287 N	8.776 W	10 G			1.0	16	FRANCE. ML 3.2 (LDG).
	20	23 13 15.3?	28.97 S	176.97 W	33 N	4.4		0.8	5	KERMADEC ISLANDS REGION
	20	23 53 10.2*	6.636 S	105.186 E	62 *	4.8		1.3	28	SUNDA STRAIT
	21	00 42 34.5	39.258 N	27.764 E	10 G			0.5	8	TURKEY
o	21	00 43 41.3	27.789 S	176.386 W	33 N	5.5	5.5	1.1	87	KERMADEC ISLANDS REGION
	21	01 38 36.7*	27.289 S	176.315 W	33 N	5.1		1.2	28	KERMADEC ISLANDS REGION
	21	01 48 54.67	27.22 S	176.88 W	33 N	5.0		1.1	12	KERMADEC ISLANDS REGION
	21	02 32 44.9*	28.322 S	176.500 W	33 N	5.2	5.2	1.4	42	KERMADEC ISLANDS REGION
	21	03 11 16.2*	27.887 S	176.524 W	33 N	4.8	4.9	1.5	24	KERMADEC ISLANDS REGION
	21	03 15 48.9*	5.988 N	127.254 E	33 N	4.4		1.4	8	PHILIPPINE ISLANDS REGION
	21	03 53 56.9%	43.791 N	7.818 E	10 G			0.4	7	NEAR SOUTH COAST OF FRANCE. ML 2.9 (LDG).
	21	04 36 24.8*	51.261 N	15.667 E	10 G			1.3	11	POLAND. ML 3.9 (VKA).
o	21	05 51 59.9	27.919 S	176.348 W	46 D	5.5	5.2	1.0	129	KERMADEC ISLANDS REGION
	21	06 03 45.8*	27.726 S	176.748 W	33 N	4.8		1.0	11	KERMADEC ISLANDS REGION
o	21	06 50 50.8	27.262 S	176.510 W	33 N	5.4	5.6	1.2	69	KERMADEC ISLANDS REGION
	21	08 36 25.1	37.510 N	118.338 W	5 G			0.9	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (PAS).
	21	08 47 47.2*	23.355 N	103.813 E	33 N			1.0	5	YUNNAN PROVINCE, CHINA. ML 3.6 (BJI).
	21	08 52 33.3?	39.52 N	28.85 E	10 G			1.3	5	TURKEY
	21	08 59 48.0*	61.655 N	26.000 W	10 G	4.6		0.8	22	ICELAND REGION
	21	09 19 48.1*	28.175 S	176.576 W	33 N	4.9		0.7	12	KERMADEC ISLANDS REGION
	21	09 32 25.1*	27.977 S	176.474 W	33 N	4.9		1.2	28	KERMADEC ISLANDS REGION
	21	10 10 15.6	58.973 S	25.496 W	49 D	5.0		0.9	41	SOUTH SANDWICH ISLANDS REGION
	21	10 13 28.9*	39.127 N	27.824 E	10 G			0.7	5	TURKEY
	21	10 22 07.7	38.529 N	141.743 E	64	4.8		0.9	32	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Ishinomaki, Miyako, Ofunato and Sendai; (I JMA) at Fukushima.
o	21	10 48 21.1	27.726 S	176.572 W	33 N	5.2	5.2	1.2	66	KERMADEC ISLANDS REGION
	21	10 57 46.2&	60.055 N	152.684 W	83				26	SOUTHERN ALASKA. <AGS-P>.
o	21	11 02 59.9	27.882 S	176.467 W	33 N	5.7	5.9	1.0	199	KERMADEC ISLANDS REGION. Ms 6.2 (BRK).
	21	11 03 22.07	40.59 N	29.62 E	10 G			0.8	5	TURKEY
	21	11 27 24.7	27.885 S	176.638 W	33 N	5.1		0.9	26	KERMADEC ISLANDS REGION

	21	11	37	38.5	43.989	N	128.489	W	10	G	5.0	1.2	80	OFF COAST OF OREGON
	21	11	43	20.9	43.958	N	128.548	W	10	G	5.0	1.2	30	OFF COAST OF OREGON
	21	11	48	28.0?	44.11	N	128.00	W	10	G	4.4	1.2	8	OFF COAST OF OREGON
	21	11	56	41.4	39.114	N	27.847	E	10	G		1.0	8	TURKEY
	21	12	08	37.3	43.847	N	128.613	W	10	G	4.6	0.9	27	OFF COAST OF OREGON
	21	12	15	57.3	1.656	N	126.848	E	67	•	4.9	1.1	34	MOLUCCA PASSAGE
	21	12	28	15.9•	5.703	N	76.268	W	33	N		1.3	7	COLOMBIA
a	21	12	29	44.0	27.644	S	176.613	W	33	N	5.4 5.6	1.1	83	KERMADEC ISLANDS REGION
	21	12	33	41.8•	28.071	S	176.857	W	33	N	5.0	1.5	22	KERMADEC ISLANDS REGION
	21	13	14	58.6&	36.760	N	121.367	W	11				17	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt at Hollister and Santa Cruz.
	21	13	15	24.0?	18.49	N	62.08	W	33	N		0.2	6	LEEWARD ISLANDS. ML 3.8 (FDF).
	21	13	17	01.6	24.489	S	67.828	W	171	?	4.5	1.3	7	CHILE-ARGENTINA BORDER REGION
	21	13	56	46.2•	0.297	S	125.835	E	63	?	4.7	1.5	12	MOLUCCA SEA
	21	14	00	23.2?	31.21	S	68.45	W	33	N		0.9	7	SAN JUAN PROVINCE, ARGENTINA
	21	14	13	18.0%	14.870	N	60.434	W	33	N		0.4	10	WINDWARD ISLANDS. ML 2.8 (FDF).
	21	14	34	13.8	44.500	N	10.787	E	11			1.1	29	NORTHERN ITALY. ML 3.8 (KBA), 3.6 (LDG). MD 3.6 (TRI).
	21	15	11	42.1	27.733	S	176.597	W	33	N	5.3 4.6	1.0	64	KERMADEC ISLANDS REGION
	21	15	35	16.6	39.034	N	27.898	E	10	G		0.5	7	TURKEY
	21	15	57	52.3	10.354	N	62.637	W	38		5.0	1.1	45	NEAR COAST OF VENEZUELA. Felt at El Pilar and Puerto Ordaz.
	21	16	58	38.9%	40.048	N	29.403	E	10	G		0.4	7	TURKEY
	21	17	04	47.4•	8.614	S	31.242	E	10	G	4.8	1.4	7	LAKE TANGANYIKA REGION
	21	17	19	56.7?	13.80	S	73.00	W	33	N		1.5	4	PERU. Felt (III) at Abancay.
	21	17	23	32.2•	27.876	S	176.279	W	33	N	4.6	1.4	21	KERMADEC ISLANDS REGION
	21	18	23	37.4•	31.403	S	71.744	W	33	N		1.0	10	NEAR COAST OF CENTRAL CHILE
	21	19	08	32.6•	44.030	N	128.127	W	10	G	4.3	0.6	6	OFF COAST OF OREGON
	21	19	18	55.9	27.857	S	176.404	W	33	N	5.2 5.1	1.1	47	KERMADEC ISLANDS REGION
	21	19	57	15.8?	18.96	S	169.45	E	261	•	3.9	1.5	9	VANUATU ISLANDS
	21	20	51	20.1&	37.450	N	118.490	W	6	G			12	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
a	21	21	09	36.2	13.326	N	90.118	W	45		5.2 5.1	1.2	136	NEAR COAST OF GUATEMALA. Felt along the Pacific coast of Guatemala and at Guatemala City.
	21	21	57	59.4	1.541	N	127.424	E	142	•	5.0	0.9	21	HALMAHERA
	21	21	59	37.8?	27.85	S	176.34	W	33	N	4.8	1.4	8	KERMADEC ISLANDS REGION
	21	22	06	48.1?	27.62	S	176.20	W	33	N	4.5	1.7	7	KERMADEC ISLANDS REGION
	21	22	32	54.4•	13.524	N	90.459	W	33	N		0.8	17	NEAR COAST OF GUATEMALA
	21	23	53	26.3•	28.185	S	176.524	W	33	N	5.0	1.2	29	KERMADEC ISLANDS REGION
	22	00	03	43.9•	39.895	N	25.495	E	10	G		1.3	7	AEGEAN SEA
	22	00	12	19.6•	59.529	S	21.059	W	10	G	4.8 4.7	1.4	10	SOUTHWESTERN ATLANTIC OCEAN
	22	01	59	10.5&	60.333	N	150.488	W	44				30	KENAI PENINSULA, ALASKA. <AGS-P>.
a	22	02	38	44.1	28.092	S	176.291	W	33	N	5.3 5.2	1.0	71	KERMADEC ISLANDS REGION
	22	03	50	03.1&	37.195	N	122.328	W	12				8	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	22	05	30	33.2	2.250	N	126.694	E	76	•	5.0	1.2	39	MOLUCCA PASSAGE
	22	06	27	45.4?	22.30	S	176.38	W	390	?	4.5	0.7	9	SOUTH OF FIJI ISLANDS
	22	07	53	31.0•	62.980	N	148.505	W	33	N		0.7	5	CENTRAL ALASKA. ML 2.4 (PMR).
	22	08	46	56.7?	26.89	S	176.69	W	33	N	5.0	1.3	13	SOUTH OF FIJI ISLANDS
a	22	08	59	28.8	10.569	S	166.040	E	165	G	5.9	0.9	266	SANTA CRUZ ISLANDS. Depth from broadband displacement seismograms.
	22	09	21	17.7•	15.158	S	74.192	W	150	?	4.8	0.7	11	NEAR COAST OF PERU. Felt at Lima.
	22	09	24	06.1	35.793	N	21.790	E	33	N	4.0	0.8	15	MEDITERRANEAN SEA. ML 4.5 (ATH).
	22	09	25	52.8•	13.631	N	90.624	W	33	N		0.7	12	NEAR COAST OF GUATEMALA. MG 4.4 (GCG). Felt along the Pacific coast of Guatemala and at Guatemala City.
	22	11	07	20.1	36.434	N	140.620	E	71		4.7	0.8	17	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Mito, (II JMA) at Utsunomiya and (I JMA) at Fukushima, Maebashi and Onahama.
	22	11	25	23.7?	27.58	S	176.82	W	33	N	4.6	1.4	9	KERMADEC ISLANDS REGION
	22	11	38	12.6•	45.768	N	15.705	E	10	G		0.3	6	YUGOSLAVIA. ML 2.9 (KBA), MD 2.7 (TRI). Felt (IV) at Samobor.
	22	12	14	59.6•	27.569	S	176.540	W	109	D	4.7	0.7	20	KERMADEC ISLANDS REGION
	22	14	04	00.3?	25.76	S	65.33	W	33	N		1.8	5	SALTA PROVINCE, ARGENTINA
	22	14	35	46.6	22.423	N	118.787	E	15		5.0 4.3	1.1	83	TAIWAN REGION
	22	15	28	25.7&	61.592	N	151.500	W	79				21	SOUTHERN ALASKA. <AGS-P>.
	22	15	49	18.5	5.943	S	151.311	E	60	?	4.0	1.2	10	NEW BRITAIN REGION
	22	15	57	28.8?	28.06	S	176.99	W	33	N	4.4	1.3	6	KERMADEC ISLANDS REGION
	22	17	06	42.4%	60.718	N	5.559	E	10	G		0.2	7	SOUTHERN NORWAY. MD 1.8 (BER).
	22	17	23	35.7•	27.812	S	175.945	W	33	N	5.3	1.4	20	KERMADEC ISLANDS REGION
	22	18	31	34.1&	61.339	N	148.849	W	38				51	SOUTHERN ALASKA. <AGS-P>. ML 4.0 (PMR). Felt (III) at Valdez.
	22	19	08	08.1•	39.482	N	75.156	E	33	N	4.5	1.3	9	SOUTHERN XINJIANG, CHINA
a	22	19	40	48.5	28.324	S	176.309	W	33	N	5.4 5.5	1.3	76	KERMADEC ISLANDS REGION
	22	19	58	47.9?	46.09	N	25.51	E	33	N		1.3	5	ROMANIA
	22	20	14	27.2&	59.529	N	152.492	W	75				28	SOUTHERN ALASKA. <AGS-P>.
	22	21	08	20.4?	32.49	S	69.39	W	114	?		1.0	6	MENDOZA PROVINCE, ARGENTINA
	22	21	09	42.9•	31.388	S	68.833	W	123	•		1.0	15	SAN JUAN PROVINCE, ARGENTINA
a	22	22	20	26.7	27.438	S	176.571	W	33	N	5.3	1.2	78	KERMADEC ISLANDS REGION
	22	23	22	19.2%	46.421	N	2.487	E	10	G		0.4	5	FRANCE. ML 1.7 (LDG).
	22	23	43	06.8•	19.589	S	68.838	W	144	•		1.6	9	CHILE-BOLIVIA BORDER REGION
	23	00	43	11.4&	59.436	N	152.324	W	74				35	SOUTHERN ALASKA. <AGS-P>.
	23	00	48	25.8&	59.335	N	138.802	W	12				16	SOUTHEASTERN ALASKA. <AGS-P>.
	23	01	11	19.4•	27.568	S	176.708	W	33	N	5.0	1.5	14	KERMADEC ISLANDS REGION
	23	01	23	35.6	35.304	N	136.518	E	10	G		0.5	7	SOUTHERN HONSHU, JAPAN. Felt (III JMA) at Gifu, (II JMA) at Iida and Nagoya and (I JMA) at Hikone.
	23	01	42	31.5	52.514	N	168.161	W	33	N	5.0	1.1	106	FOX ISLANDS, ALEUTIAN ISLANDS
	23	02	07	19.5	4.401	S	152.188	E	142		5.0	1.0	35	NEW BRITAIN REGION
a	23	02	18	51.8	15.570	S	167.561	E	160	G	5.7	1.2	209	VANUATU ISLANDS. Depth from broadband displacement seismograms.
	23	03	09	41.6?	41.93	N	142.57	E	66	•	4.5	0.6	8	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa.
a	23	03	54	20.8	6.097	S	146.306	E	127	D	5.8	1.0	234	EAST PAPUA NEW GUINEA REGION
	23	04	50	29.8	33.521	N	139.076	E	209		4.8	1.0	70	SOUTH OF HONSHU, JAPAN
	23	06	26	37.0?	14.71	N	145.63	E	33	N		0.3	9	MARIANA ISLANDS
	23	06	46	14.8?	34.53	S	70.98	W	33	N		1.1	8	CHILE-ARGENTINA BORDER REGION
	23	08	58	52.3•	0.560	N	96.634	E	33	N	3.9	1.0	8	OFF W COAST OF NORTHERN SUMATERA
	23	09	03	14.1	11.058	S	165.302	E	33	N	5.1	1.1	32	SANTA CRUZ ISLANDS

	23	11	05	30.8	7.138	S	129.236	E	130	•	5.0		1.0	46	BANDA SEA
	23	12	24	46.5•	11.097	S	165.356	E	33	N	5.2		1.0	26	SANTA CRUZ ISLANDS
	23	12	40	36.5?	56.03	N	153.95	W	33	N	4.3		1.5	7	KODIAK ISLAND REGION
	23	15	20	41.6	11.331	S	165.121	E	33	N	3.9		0.5	9	SANTA CRUZ ISLANDS
	23	15	33	27.3&	60.183	N	152.913	W	116					25	SOUTHERN ALASKA. <AGS-P>.
e	23	15	48	43.7	11.037	S	165.294	E	19	D	5.4	6.5	1.1	153	SANTA CRUZ ISLANDS. Ms 6.5 (BRK).
	23	15	56	31.3•	11.038	S	165.432	E	33	N	5.2		1.0	24	SANTA CRUZ ISLANDS
	23	16	11	47.6•	32.719	S	66.284	W	33	N			0.7	7	SAN LUIS PROVINCE, ARGENTINA
	23	16	21	48.5•	39.991	N	28.452	E	10	G			1.3	11	TURKEY
e	23	16	23	49.2	11.086	S	165.537	E	24	•	5.5	6.4	1.0	153	SANTA CRUZ ISLANDS
	23	17	02	07.0•	6.165	S	151.907	E	33	N	3.9		1.4	8	NEW BRITAIN REGION
	23	17	24	42.3&	62.656	N	150.870	W	100					13	CENTRAL ALASKA. <AGS-P>.
	23	17	32	34.6•	11.278	S	165.114	E	33	N	4.4		1.3	13	SANTA CRUZ ISLANDS
	23	17	33	06.0	11.228	S	165.233	E	36	•	5.0	5.8	1.1	39	SANTA CRUZ ISLANDS
	23	17	37	48.3?	45.46	N	26.43	E	146	?			0.5	5	ROMANIA
	23	17	57	38.5•	4.301	S	150.585	E	33	N	3.5		1.2	5	NEW BRITAIN REGION
	23	18	37	19.4?	14.78	N	60.18	W	33	N			0.7	8	WINDWARD ISLANDS. ML 2.7 (FDF).
	23	18	43	42.4?	55.14	S	28.89	W	33	N	4.7		1.2	9	SOUTH SANDWICH ISLANDS REGION
e	23	18	44	57.4	11.116	S	165.179	E	38	D	5.7	5.5	0.9	179	SANTA CRUZ ISLANDS
	23	19	08	23.7•	11.065	S	165.296	E	33	N	4.3		1.2	13	SANTA CRUZ ISLANDS
	23	20	28	20.5•	11.123	S	165.153	E	33	N	4.3		1.2	13	SANTA CRUZ ISLANDS
	23	21	58	53.0	6.078	S	149.442	E	55	•	5.1		1.4	39	NEW BRITAIN REGION
	23	22	16	42.3?	25.97	S	176.30	W	33	N	4.7		1.1	10	SOUTH OF FIJI ISLANDS
	24	01	01	08.5	11.260	S	165.252	E	33	N	4.8		1.1	28	SANTA CRUZ ISLANDS
	24	01	50	10.6?	20.75	S	178.73	W	624	?	3.9		0.5	11	FIJI ISLANDS REGION
e	24	02	42	51.6	25.319	S	70.176	W	51	D	5.6		1.1	130	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Antofagasta.
	24	02	57	28.0	5.792	S	153.951	E	47	•	4.7		1.2	26	NEW IRELAND REGION
e	24	02	58	47.0	5.629	S	153.875	E	52		5.7	6.3	1.2	141	NEW IRELAND REGION. Felt (III) at Panguna, Bougainville.
	24	04	54	47.7&	46.303	N	112.043	W	3	G				12	MONTANA. <BUT>. ML 3.2 (BUT), 3.5 (NEIS). Felt at Elkhorn.
e	24	05	27	36.5	10.991	S	164.987	E	47	D	5.6	6.0	1.0	181	SANTA CRUZ ISLANDS REGION
e	24	05	53	17.0	10.884	S	165.215	E	33	N	5.6	5.9	1.0	159	SANTA CRUZ ISLANDS
	24	06	02	11.6•	11.313	S	165.089	E	33	N	4.6		1.2	13	SANTA CRUZ ISLANDS
	24	06	17	28.9•	11.275	S	165.174	E	33	N	4.7		1.3	12	SANTA CRUZ ISLANDS
	24	07	07	38.0•	11.295	S	165.408	E	33	N	4.6		1.2	19	SANTA CRUZ ISLANDS
	24	07	37	29.9•	11.261	S	165.129	E	33	N	4.8		1.4	18	SANTA CRUZ ISLANDS
	24	07	50	31.0&	59.080	N	154.408	W	129					32	SOUTHERN ALASKA. <AGS-P>.
	24	08	14	54.9?	6.42	S	147.00	E	28	•	4.2		1.2	8	EAST PAPUA NEW GUINEA REGION
	24	10	12	45.3	28.656	S	176.766	W	44	D	4.9	4.9	0.9	44	KERMADEC ISLANDS REGION
	24	10	17	29.9	19.231	N	146.371	E	88	•	4.9		1.0	58	MARIANA ISLANDS REGION
e	24	11	00	47.2	51.402	N	176.859	W	33	N	5.2	4.3	1.2	93	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt (III) on Adak.
	24	11	04	18.1?	15.27	S	173.45	W	33	N	4.7		1.1	11	TONGA ISLANDS
	24	11	07	26.0•	51.229	N	15.667	E	10	G			1.3	12	POLAND. ML 3.8 (VKA).
	24	11	17	20.3•	11.363	S	164.919	E	33	N	4.6		1.2	14	SANTA CRUZ ISLANDS REGION
	24	11	50	25.4•	11.015	S	165.226	E	33	N	4.4		1.2	15	SANTA CRUZ ISLANDS
	24	11	51	48.4?	56.06	N	153.20	W	33	N	4.3		1.8	11	KODIAK ISLAND REGION
	24	12	42	23.1•	6.989	N	73.295	W	159	•	5.1		1.6	13	NORTHERN COLOMBIA
	24	13	59	08.1?	38.32	N	20.46	E	10	G			1.5	9	GREECE. ML 4.0 (ATH).
	24	14	34	53.8&	60.946	N	151.486	W	69					51	KENAI PENINSULA, ALASKA. <AGS-P>. Felt at Eagle River.
	24	14	45	36.5•	41.673	N	19.401	E	10	G			1.3	8	ALBANIA. ML 2.5 (TTG).
	24	15	03	47.5•	10.985	S	165.096	E	33	•	4.9		1.2	35	SANTA CRUZ ISLANDS
	24	15	13	58.7?	11.35	S	162.60	E	33	N	4.1		1.2	6	SOLOMON ISLANDS
	24	16	03	17.3•	27.859	S	176.702	W	33	N	4.7		1.0	10	KERMADEC ISLANDS REGION
	24	16	15	14.3•	11.507	S	165.079	E	33	N	4.3		1.0	12	SANTA CRUZ ISLANDS
	24	16	21	43.0	45.474	N	26.308	E	147	•			0.7	14	ROMANIA
	24	16	28	51.5•	11.203	S	164.975	E	33	N	4.3		1.1	12	SANTA CRUZ ISLANDS REGION
	24	17	48	02.4	11.236	S	165.473	E	33	N	5.2		1.2	40	SANTA CRUZ ISLANDS
	24	17	52	08.2?	10.64	S	166.76	E	33	N	4.6		1.1	6	SANTA CRUZ ISLANDS
	24	18	52	54.2%	46.949	N	1.622	W	10	G			1.2	12	FRANCE. ML 3.1 (LDG).
	24	19	10	30.1?	51.18	N	20.05	E	10	G			1.4	5	POLAND. ML 2.7 (KBA).
	24	19	42	57.2&	32.960	N	117.820	W	10					10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	24	20	10	00.2•	50.990	N	15.665	E	10	G			0.3	6	CZECHOSLOVAKIA. ML 2.8 (KBA).
	24	20	13	35.6•	38.168	N	142.310	E	33	N	4.1		0.8	5	NEAR EAST COAST OF HONSHU, JAPAN
	24	20	28	10.7•	38.396	N	25.070	E	10	G			1.3	11	AEGEAN SEA. ML 3.2 (ATH).
	24	21	09	47.0	5.731	S	153.929	E	50	•	4.1		1.3	30	NEW IRELAND REGION
e	24	22	35	35.6	27.591	S	176.121	W	44	D	5.2	4.6	1.1	81	KERMADEC ISLANDS REGION
	24	23	33	54.6	47.902	N	7.449	E	10	G			0.2	7	SWITZERLAND. ML 2.6 (LDG).
	25	01	07	15.2	27.754	S	176.216	W	33	N	5.0		1.0	6	KERMADEC ISLANDS REGION
	25	01	47	26.1	27.301	S	176.225	W	33	N	5.2	4.8	1.0	66	KERMADEC ISLANDS REGION
	25	01	56	03.7%	46.742	N	0.880	W	10	G			0.8	8	FRANCE. ML 3.0 (LDG).
	25	02	51	43.4•	51.073	N	175.908	W	33	N	4.7		1.3	20	ANDREANOF ISLANDS, ALEUTIAN IS.
e	25	04	35	53.1	5.655	S	154.050	E	48		5.3		0.9	71	SOLOMON ISLANDS
	25	05	13	04.7	17.573	S	178.940	W	536		4.4		0.9	63	FIJI ISLANDS REGION
	25	05	29	44.9•	11.132	S	164.960	E	33	N	4.8		1.1	17	SANTA CRUZ ISLANDS REGION
	25	07	05	48.8	27.883	S	176.151	W	33	N	5.2		0.8	71	KERMADEC ISLANDS REGION
	25	07	17	18.1•	30.537	S	68.712	W	73	?			1.0	9	SAN JUAN PROVINCE, ARGENTINA
	25	09	16	02.3•	5.804	S	150.098	E	146	•	3.8		1.1	7	NEW BRITAIN REGION
	25	10	40	48.5•	64.194	N	154.191	W	33	N			1.4	8	CENTRAL ALASKA. ML 3.7 (PMR).
	25	10	45	39.0	10.129	S	159.574	E	165	?	4.1		0.6	6	SOLOMON ISLANDS
	25	10	55	24.7?	34.75	S	70.68	W	33	N			0.6	5	CHILE-ARGENTINA BORDER REGION
	25	12	58	14.2	36.382	N	140.762	E	66		4.5		0.7	17	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Mito, (II JMA) at Utsunomiya and (I JMA) at Kumagaya and Onahama.
	25	13	50	55.5•	26.944	S	177.158	W	33	N	5.3		1.0	18	SOUTH OF FIJI ISLANDS
	25	14	23	26.2&	60.228	N	152.918	W	109					28	SOUTHERN ALASKA. <AGS-P>.
	25	14	55	25.1?	79.46	N	97.52	W	10	G	4.0		1.5	7	QUEEN ELIZABETH ISLANDS
	25	15	01	26.6?	11.61	S	165.48	E	33	N	4.3		1.4	10	SANTA CRUZ ISLANDS
	25	16	17	02.1	2.519	S	102.356	E	175		4.8		0.9	40	SOUTHERN SUMATERA
	25	16	27	22.5?	10.73	N	63.41	W	30	•			0.3	7	NEAR COAST OF VENEZUELA
	25	16	40	28.4&	36.100	N	117.850	W	4					6	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	25	16	45	58.9•	2.679	N	126.850	E	33	N	4.2		0.7	8	MOLUCCA PASSAGE

	25	17	03	45.0	1.832	N	127.464	E	113	•	5.0	1.1	65	HALMAHERA
	25	17	16	38.4	43.399	N	71.598	W	5	G		0.6	22	NORTHERN NEW ENGLAND. mbLg 3.9 (NEIS). Felt (V) at Boscawen and Henniker, New Hampshire. Felt (IV) at Andover, Belmont, Brookline, Concord, Franklin, Greenfield, Keene, Laconia, New Ipswich, Pittsfield, Rindge, Sanbornton, South Newbury, Strafford, Tilton, Warner and Washington, New Hampshire. Felt in southern New Hampshire and parts of Massachusetts.
	25	17	49	04.0	40.586	N	23.786	E	10	G		1.0	14	GREECE
	25	18	09	14.9	15.070	S	167.288	E	145	•	4.5	1.2	28	VANUATU ISLANDS
	25	18	21	13.7	43.417	N	71.571	W	5	G		0.4	21	NORTHERN NEW ENGLAND. CL 2.6 (CAM).
	25	18	40	09.8•	6.218	S	149.580	E	43	•	4.3	1.4	12	NEW BRITAIN REGION
	25	19	02	25.7?	14.92	N	60.55	W	33	N		0.1	5	WINDWARD ISLANDS. ML 2.9 (FDF).
	25	20	07	14.2&	60.715	N	152.112	W	09				39	SOUTHERN ALASKA. <AGS-P>.
	25	20	07	25.1	51.554	N	16.071	E	22		4.9	1.2	63	POLAND. ML 4.9 (GRF), 4.7 (VKA), 4.6 (KBA).
	25	20	41	29.7•	16.056	S	167.251	E	38	•	4.4	1.2	21	VANUATU ISLANDS
f	25	20	47	01.8	17.663	S	168.135	E	31	G	5.8 5.9	1.1	263	VANUATU ISLANDS. Ms 6.2 (BRK). Depth from broadband displacement seismograms.
	25	20	56	58.4?	16.39	N	60.95	W	33	N		0.7	5	LEEWARD ISLANDS. ML 2.1 (FDF).
	25	21	16	23.1	43.489	N	71.606	W	5	G		0.7	13	NORTHERN NEW ENGLAND. CL 1.9 (CAM).
	25	21	25	29.7•	26.069	N	88.245	E	33	N		1.2	8	INDIA-BANGLADESH BORDER REGION. Felt at Rangpur, Bangladesh.
	25	22	34	37.9•	51.114	N	16.053	E	10	G		1.2	5	POLAND
	26	00	46	19.0	40.311	N	119.725	W	5	G		1.1	8	NEVADA. ML 2.5 (BRK).
a	26	00	59	23.0	5.680	S	154.051	E	49	D	5.6 4.7	1.0	112	SOLOMON ISLANDS. Felt (III) at Arawa, Bougainville.
a	26	02	59	34.0	27.719	S	176.154	W	44	D	5.3 5.3	1.1	92	KERMADEC ISLANDS REGION. Ms 5.4 (BRK).
	26	03	16	38.7•	6.054	S	130.895	E	94	•	4.5	1.4	19	BANDA SEA
	26	03	33	51.6•	53.521	N	163.672	W	33	N	4.7	0.9	23	UNIMAK ISLAND REGION
	26	03	34	05.8	53.524	N	163.705	W	33	N	5.1 5.0	0.8	56	UNIMAK ISLAND REGION. ML 5.1 (PWR).
a	26	04	43	27.4	53.758	N	170.049	W	214	D	5.4	0.9	270	FOX ISLANDS, ALEUTIAN ISLANDS
	26	04	45	53.1•	37.333	N	27.449	E	10	G		1.0	9	TURKEY
	26	04	49	31.7	40.751	N	28.994	E	32			1.1	22	TURKEY. ML 4.1 (ATH). Felt at Istanbul.
	26	05	17	35.3	37.224	N	116.448	W	5	G		0.3	10	SOUTHERN NEVADA. ML 3.1 (PAS).
	26	05	19	23.4?	44.08	N	129.37	W	10	G	4.9	1.4	14	OFF COAST OF OREGON
	26	05	57	50.3&	61.568	N	146.357	W	34				48	SOUTHERN ALASKA. <AGS-P>. ML 3.5 (PWR).
	26	07	05	53.3?	41.37	S	86.68	W	10	G	4.6	1.5	17	WEST CHILE RISE
	26	08	13	23.5	10.798	S	74.845	W	16		4.6	1.3	38	PERU
	26	08	27	35.6&	60.033	N	152.676	W	96				44	SOUTHERN ALASKA. <AGS-P>.
	26	10	20	13.8	37.473	N	118.371	W	5	G		0.7	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (PAS).
	26	10	27	38.7?	5.88	S	132.51	E	33	N	4.5	1.3	7	AROE ISLANDS REGION
	26	11	34	36.3	61.744	N	3.056	E	10	G	4.5	1.2	31	NORWEGIAN SEA. MD 4.0 (BER).
	26	11	56	57.0?	61.90	N	2.73	E	10	G		0.3	8	NORWEGIAN SEA. MD 2.6 (BER).
	26	13	12	39.1•	33.446	N	140.623	E	81	?	4.8	0.8	9	SOUTH OF HONSHU, JAPAN. Felt (I JMA) on Hachijo-jima.
	26	13	32	10.6?	42.16	N	23.17	E	10	G		0.3	7	BULGARIA
	26	14	30	55.3	21.494	S	68.431	W	129		4.0	1.2	25	CHILE-BOLIVIA BORDER REGION
	26	16	09	40.2&	59.803	N	153.843	W	145				27	SOUTHERN ALASKA. <AGS-P>.
	26	16	11	51.8•	31.939	S	67.319	W	139	?		0.8	14	SAN JUAN PROVINCE, ARGENTINA
	26	17	16	53.0•	11.360	S	166.890	E	33	N	4.4	1.0	16	SANTA CRUZ ISLANDS
	26	17	42	17.0•	37.373	N	26.763	E	33	N		0.4	7	DODECANESE ISLANDS. ML 3.8 (ATH).
	26	19	00	05.9•	10.892	S	165.265	E	33	N	4.4	0.9	11	SANTA CRUZ ISLANDS
	26	20	46	59.6?	45.74	N	26.79	W	10	G	4.3 4.3	1.1	12	NORTH ATLANTIC RIDGE
	26	20	56	44.1	25.771	N	102.848	E	33	N	4.5	1.3	24	YUNNAN PROVINCE, CHINA. ML 4.7 (BJI).
	26	21	04	17.4?	33.06	S	178.89	W	33	N	4.7	1.4	10	SOUTH OF KERMADEC ISLANDS
	26	21	08	32.7?	46.34	N	27.54	W	10	G	4.4	0.4	9	NORTH ATLANTIC RIDGE
	26	21	44	16.4•	28.752	S	69.949	W	29	?		1.1	10	CHILE-ARGENTINA BORDER REGION
	26	21	56	34.9•	42.001	N	2.836	E	10	G		1.3	11	PYRENEES. ML 2.9 (LDG). Felt (III) at Amer, Spain.
	26	22	18	24.6•	47.394	N	1.122	W	10	G		1.0	12	FRANCE. ML 2.9 (LDG).
	26	22	19	41.6	57.716	N	156.290	W	165	•		0.8	45	ALASKA PENINSULA
	26	22	20	56.0•	37.387	N	26.987	E	33	N		0.9	10	DODECANESE ISLANDS. ML 4.0 (ATH).
	26	23	01	15.5•	45.585	N	26.495	E	141	?		1.1	13	ROMANIA
	26	23	04	13.6?	46.10	N	27.59	W	10	G	4.3	1.4	7	NORTH ATLANTIC RIDGE
a	27	00	09	31.9	46.009	N	27.624	W	10	G	5.3 5.2	0.9	152	NORTH ATLANTIC RIDGE
	27	02	06	45.5&	37.175	N	121.583	W	8				24	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=9.8e10**21 (BRK). Felt (II) at Morgan Hill. Also felt near Anderson Reservoir.
	27	03	33	01.1?	18.36	S	174.47	E	33	N	4.5	0.7	7	FIJI ISLANDS REGION
	27	03	50	59.8	46.107	N	27.637	W	10	G	4.5	1.0	41	NORTH ATLANTIC RIDGE
	27	04	25	21.7	38.705	S	175.717	E	136		5.3	1.2	41	NORTH ISLAND, NEW ZEALAND. Felt throughout central New Zealand.
	27	04	36	37.8	37.872	N	2.505	W	10	G		1.1	18	SPAIN. MG 4.1 (MDD). Felt (V) at Huescar, (IV) at Galera and Pueblo de Don Fadrique and (III) at Castril.
	27	04	46	55.2	37.873	N	2.481	W	10	G		1.2	23	SPAIN. MG 4.4 (MDD). Felt (V) at Huescar.
a	27	05	50	46.0	4.284	S	152.964	E	63		5.0	0.9	61	NEW BRITAIN REGION. Felt (III) at Rabaul.
	27	06	07	39.3?	25.59	S	177.16	W	33	N	4.8	1.6	9	SOUTH OF FIJI ISLANDS
	27	06	39	04.4?	28.12	S	176.65	W	33	N	4.7 4.6	1.4	12	KERMADEC ISLANDS REGION
	27	07	05	12.7•	5.398	S	129.362	E	241	•	4.5	0.9	9	BANDA SEA
	27	08	02	52.3	34.215	S	78.937	W	10	G	5.0 4.5	1.0	48	JUAN FERNANDEZ ISLANDS REGION
	27	08	07	04.5•	23.983	N	123.229	E	33	N	4.4	0.3	5	SOUTHWESTERN RYUKYU ISLANDS
	27	08	17	56.2•	0.189	S	122.682	E	150	?	5.0	0.9	12	MINAHASSA PENINSULA
	27	10	17	59.6	11.469	S	165.729	E	33	N	4.9 4.6	1.1	45	SANTA CRUZ ISLANDS
	27	12	15	31.8	42.725	N	145.597	E	45	•	4.9	1.0	51	HOKKAIDO, JAPAN REGION
	27	13	10	34.3•	2.947	S	130.601	E	33	N	4.3	1.4	13	CERAM
a	27	14	11	58.3	7.517	N	36.658	W	10	G	5.3 4.9	1.1	150	CENTRAL MID-ATLANTIC RIDGE
	27	14	48	56.2•	26.335	S	27.260	E	5	G		0.8	5	REPUBLIC OF SOUTH AFRICA. MG 3.9 (BUL).
	27	15	27	15.0•	52.060	N	173.916	W	33	N	4.8	0.9	16	ANDREANOF ISLANDS, ALEUTIAN IS.
	27	17	00	44.7	11.538	S	165.704	E	33	N	4.1	1.4	9	SANTA CRUZ ISLANDS
	27	18	48	23.6&	59.526	N	153.411	W	118				34	SOUTHERN ALASKA. <AGS-P>.
	27	19	39	36.5&	60.928	N	149.464	W	39				51	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.6 (PWR). Felt (III) at Anchorage and Eagle River.
	27	19	45	19.7	50.967	N	5.596	E	10	G		0.3	6	BELGIUM. ML 2.0 (UCC). Felt in the Genk area.
	27	20	40	09.3•	56.387	N	7.077	E	10	G		0.7	5	GERMANY
	27	21	07	17.7•	13.627	S	75.049	W	33	N		1.1	5	PERU
	27	21	52	44.3	20.680	N	119.800	E	10	G	4.7	0.9	18	PHILIPPINE ISLANDS REGION

	27	22 32 21.3	41.930 N	19.460 E	28		4.5		1.2	118	ALBANIA. ML 4.9 (ATH), 4.7 (SKO), 4.6 (TTG). Felt (VI) at Bar and Ulcinj and (IV) at Titograd, Yugoslavia. Also felt in western Macedonia, Yugoslavia.
	27	22 45 22.9	41.948 N	19.429 E	14		3.7		1.1	51	ALBANIA. ML 4.3 (ATH), 3.9 (SKO). MD 3.8 (TTG). Felt along the coast of Montenegro, Yugoslavia.
	27	23 18 36.0	40.723 N	23.871 E	10 G				0.4	9	GREECE
	27	23 31 56.6&	60.859 N	151.396 W	49					35	KENAI PENINSULA, ALASKA. <AGS-P>.
	27	23 50 35.4•	27.668 S	176.375 W	33 N		5.2		0.5	6	KERMADEC ISLANDS REGION
	28	00 28 01.9?	31.90 S	67.18 W	157 ?				0.7	12	SAN JUAN PROVINCE, ARGENTINA
	28	00 31 48.6	41.923 N	19.583 E	10 G				0.9	10	ALBANIA. ML 2.6 (TTG).
	28	00 51 15.1	41.928 N	19.599 E	10 G				0.8	6	ALBANIA. ML 2.5 (TTG).
	28	01 16 48.6•	41.909 N	19.574 E	10 G				0.7	5	ALBANIA. ML 2.5 (TTG).
	28	01 21 10.9	41.975 N	19.554 E	10 G				1.1	9	ALBANIA. ML 2.5 (TTG).
	28	01 29 54.8	41.945 N	19.543 E	10 G				0.8	9	ALBANIA. ML 2.7 (TTG).
	28	01 56 01.3	11.473 N	125.986 E	33 N		4.5		1.5	25	SAMAR, PHILIPPINE ISLANDS
	28	02 02 30.1	41.960 N	19.581 E	10 G				1.0	11	ALBANIA. ML 2.7 (TTG).
	28	02 07 18.8?	32.53 S	71.54 W	33 N				1.1	8	NEAR COAST OF CENTRAL CHILE
	28	02 26 18.9•	51.663 N	16.198 E	10 G				0.3	11	POLAND. ML 3.4 (VKA), 3.4 (KBA).
	28	03 11 48.1?	56.49 N	154.11 W	33 N		4.3		1.7	6	KODIAK ISLAND REGION. ML 3.3 (PMR).
	28	03 59 25.2•	6.306 S	147.703 E	87 •		3.8		1.1	9	EAST PAPUA NEW GUINEA REGION
	28	04 02 43.8?	28.18 S	176.59 W	33 N		4.9		1.6	15	KERMADEC ISLANDS REGION
	28	05 24 56.7?	5.18 S	132.34 E	81 ?		3.9		1.0	7	AROE ISLANDS REGION
	28	05 28 36.9	41.943 N	19.633 E	10 G				1.1	9	ALBANIA. ML 2.7 (TTG).
	28	05 33 12.8	41.953 N	19.581 E	10 G				0.5	9	ALBANIA. ML 2.7 (TTG).
	28	06 48 10.3	40.002 N	1.153 W	10 G				1.2	11	SPAIN. MG 3.3 (MDD). Felt (V) at Landete, Talayuelas, Fuentelespino de Moya and Santa Cruz de Moya. Felt (IV) at Boniches and (III) at Enguidanos.
	28	07 02 27.5•	41.937 N	19.402 E	33 N				1.6	6	ALBANIA. ML 2.6 (TTG).
	28	07 13 38.4	15.168 N	146.829 E	45 •		5.0		1.2	82	MARIANA ISLANDS
	28	08 15 17.0?	56.72 N	153.70 W	33 N		3.6		0.8	5	KODIAK ISLAND REGION. ML 3.0 (PMR).
	28	08 29 15.7&	60.888 N	147.146 W	23					40	SOUTHERN ALASKA. <AGS-P>.
	28	08 30 13.6	41.939 N	19.616 E	10 G				1.0	13	ALBANIA. ML 2.6 (TTG).
	28	08 52 52.5•	23.900 S	66.823 W	216 •		4.4		0.7	9	JUJUY PROVINCE, ARGENTINA
	28	09 30 00.8?	36.00 N	139.97 E	74 ?				1.3	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Utsunomiya and (I JMA) at Nikko and Mito.
	28	09 41 49.5?	23.87 S	179.69 W	562 ?		4.7		1.2	12	SOUTH OF FIJI ISLANDS
	28	10 04 56.4%	60.162 N	4.778 E	10 G				0.2	5	SOUTHERN NORWAY. MD 1.9 (BER).
	28	10 59 20.4•	16.249 S	177.951 E	33 N		4.4		1.1	11	FIJI ISLANDS. Felt at Dreketi.
	28	11 02 51.6•	16.245 S	177.954 E	17		4.3		0.7	12	FIJI ISLANDS. Felt (III) at Nabouwalu. Also felt at Mbua.
	28	11 06 10.8•	28.030 S	176.252 W	35 D		4.9		1.3	23	KERMADEC ISLANDS REGION
	28	11 47 24.8&	37.517 N	118.460 W	4					16	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK), 3.2 (PAS).
	28	11 50 44.6•	34.757 N	26.228 E	10 G		4.8		0.4	6	CRETE. ML 4.0 (ATH).
	28	12 28 59.4	41.941 N	19.543 E	10 G				1.0	7	ALBANIA. ML 2.2 (TTG).
	28	12 47 14.2	16.122 S	177.980 E	33 N		3.7		0.4	11	FIJI ISLANDS. Felt at Suva.
	28	13 41 29.1•	20.630 S	169.772 E	133 •		4.2		1.5	23	VANUATU ISLANDS
	28	14 11 01.9•	22.305 S	67.147 W	198 •				1.5	8	CHILE-BOLIVIA BORDER REGION
	28	14 16 50.5%	42.199 N	26.859 E	10 G				1.0	6	BULGARIA
	28	14 24 13.1?	11.56 S	119.03 E	33 N		4.6		0.8	6	SOUTH OF SUMBA ISLAND
	28	14 45 18.0	16.825 S	178.786 E	10 G		3.8		0.5	10	FIJI ISLANDS. Felt (III) at Nabouwalu. Also felt at Mbua.
	28	14 47 12.0•	29.620 S	13.626 W	10 G		4.8		1.2	13	SOUTH ATLANTIC RIDGE
	28	15 04 21.3	26.978 S	26.676 E	5 G		5.2	5.3	0.9	89	REPUBLIC OF SOUTH AFRICA. Some damage in the Klerksdorp area. Felt at Pretoria.
a	28	15 11 23.3	30.481 S	68.182 E	10 G		5.6	5.5	1.0	169	ATLANTIC-INDIAN RISE
	28	15 16 12.7•	30.598 S	68.021 E	10 G		5.4		1.0	24	ATLANTIC-INDIAN RISE
	28	15 30 51.7•	45.974 N	27.672 W	10 G		4.5		1.0	25	NORTH ATLANTIC RIDGE
	28	15 54 54.4	23.556 S	68.447 W	101 D		5.0		1.3	77	NORTHERN CHILE
a	28	17 18 17.9	30.497 S	68.061 E	10 G		5.4	5.1	1.2	188	ATLANTIC-INDIAN RISE
	28	18 42 24.8	2.567 S	79.736 W	33 N		4.8		0.9	24	NEAR COAST OF ECUADOR
	28	19 19 42.0	63.552 N	150.877 W	33 N				0.5	7	CENTRAL ALASKA. ML 3.4 (PMR).
	28	20 25 18.1•	24.517 N	123.295 E	33 N		4.6		1.2	12	SOUTHWESTERN RYUKYU ISLANDS
	28	21 29 00.8&	38.772 N	122.790 W	2 G					10	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	28	22 19 12.8	18.884 S	69.596 W	158 •				1.1	9	NORTHERN CHILE
	28	23 15 51.9	42.321 N	19.984 E	10 G				0.8	9	YUGOSLAVIA. ML 2.4 (TTG).
	28	23 21 29.8	34.311 N	26.116 E	10 G		3.8		1.3	8	CRETE. ML 4.2 (ATH).
	28	23 30 20.9	9.781 S	112.632 E	26 •		3.6		1.5	8	SOUTH OF JAVA
	28	23 33 31.5•	40.822 N	142.851 E	33 N		4.3		1.5	7	NEAR EAST COAST OF HONSHU, JAPAN
	29	00 16 39.5•	28.152 S	176.727 W	33 N		4.6		0.6	7	KERMADEC ISLANDS REGION
	29	00 39 08.1•	15.866 N	94.285 W	33 N		4.4		1.1	16	NEAR COAST OF OAXACA, MEXICO
	29	00 41 58.8?	4.02 S	144.84 E	33 N		3.6		1.5	5	NEAR N COAST OF PAPUA NEW GUINEA
	29	01 16 21.1%	15.203 N	61.357 W	10 G				1.0	10	LEEWARD ISLANDS. ML 3.0 (PAG). Felt on southern Dominica.
	29	01 25 57.9%	15.326 N	61.213 W	10 G				0.8	8	LEEWARD ISLANDS. MG 2.9 (FDF). Felt on southern Dominica.
	29	01 45 09.1	41.934 N	19.549 E	10 G				0.3	7	ALBANIA. ML 2.6 (TTG).
a	29	02 15 17.8	47.175 N	154.097 E	33 N		5.4	4.4	0.9	165	KURIL ISLANDS
	29	02 38 15.3&	32.610 N	117.150 W	15		3.9			43	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.1 (PAS), 4.4 (BRK). Felt (V) at Dulzura, El Cajon, Encinitas, Imperial Beach, San Diego and Spring Valley, California. Felt (IV) at Bonita, Carlsbad, Chula Vista, Descanso, Julian, Lakeside, Lemon Grove, NAS North Island, National City, Palomar Mountain, Poway, Potrero, Ramona, Rancho Penasquitos and Santee, California. Felt from Tijuana, Mexico north to the Los Angeles, California area.
	29	03 15 10.6•	37.488 N	26.966 E	33 N				1.0	6	DODECANESE ISLANDS. ML 4.0 (ATH).
	29	03 46 12.6?	38.44 N	20.88 E	10 G				1.3	5	GREECE. ML 3.8 (ATH).
	29	03 58 50.9•	17.577 S	178.985 W	583 •		4.9		0.7	22	FIJI ISLANDS REGION
	29	05 03 41.3&	38.448 N	89.848 W	5 G					5	SOUTHERN ILLINOIS. <SLM-P>. mbLg 2.7 (NEIS). Felt (III) at Salem. Also felt in northern Jefferson County.
	29	05 46 54.2•	27.311 S	69.323 W	158 ?				1.1	11	NORTHERN CHILE

	29	05	53	28.6%	46.027	N	2.870	E	10	G			0.4	8	FRANCE. ML 1.5 (LDG).
	29	07	12	19.7•	6.849	S	145.946	E	142	•	3.7		0.8	8	PAPUA NEW GUINEA
	29	08	13	31.6%	43.817	N	8.261	E	10	G			0.7	9	CORSICA. ML 3.0 (LDG).
	29	08	15	34.5&	34.738	N	120.148	W	0					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	29	11	12	08.8	43.642	N	10.156	E	10	G			1.2	21	CENTRAL ITALY. MD 3.3 (TRI), ML 3.2 (LDG).
	29	11	40	02.2	41.946	N	19.574	E	10	G			0.3	7	ALBANIA. ML 2.7 (TTG).
	29	14	40	52.7	11.416	N	140.824	E	33	N	5.0	4.7	1.1	49	WEST CAROLINE ISLANDS
a	29	15	28	56.7	9.271	N	126.784	E	33	N	5.3	5.2	1.2	96	MINDANAO, PHILIPPINE ISLANDS
	29	15	32	56.1•	5.832	S	154.019	E	49	•	4.8		1.2	16	SOLOMON ISLANDS
	29	16	35	21.6?	52.49	N	173.99	W	33	N	4.5		1.3	5	ANDREANOF ISLANDS, ALEUTIAN IS.
	29	16	57	07.7	41.961	N	19.539	E	10	G			0.8	7	ALBANIA. ML 2.7 (TTG).
	29	17	12	47.0?	16.75	S	177.67	W	424	•	3.4		0.3	9	FIJI ISLANDS REGION
	29	17	45	06.9	41.959	N	19.634	E	10	G			0.8	8	ALBANIA. ML 2.7 (TTG).
	29	19	14	26.0	63.148	N	150.630	W	33	N			0.8	7	CENTRAL ALASKA. ML 3.0 (PWR).
	29	19	48	06.6	41.918	N	19.557	E	10	G			1.0	14	ALBANIA. MD 3.2 (TTG).
a	29	20	11	39.7	5.722	N	125.331	E	72		5.4		1.1	141	MINDANAO, PHILIPPINE ISLANDS
	29	21	10	47.8	36.577	N	68.075	E	33	N	4.4		1.1	12	HINDU KUSH REGION. Felt (III) at Pyandzh, Dushanbe and Kurgan-Tyube, USSR.
	29	21	29	07.1	5.875	S	127.881	E	414	•	4.7		1.1	49	BANDA SEA
	29	21	57	00.9•	7.382	N	77.218	W	33	N			1.5	13	PANAMA-COLOMBIA BORDER REGION
	29	22	13	14.4&	41.821	N	112.318	W	5					15	UTAH. <SLC-P>. ML 3.7 (SLC). Felt (IV) at Garland and Howell. Felt (III) at Plymouth, Portage, Riverside and Snowville. Also felt at Tremonton.
	29	22	56	13.9%	40.591	N	23.530	E	10	G			0.5	8	GREECE
	29	23	18	23.2?	19.06	S	168.67	E	171	•	4.7		1.4	14	VANUATU ISLANDS
	29	23	58	12.6	49.220	S	164.693	E	33	N	5.0		1.1	21	AUCKLAND ISLANDS REGION
	30	00	32	03.6	27.868	S	176.565	W	33	N	5.0	5.1	0.8	43	KERMADEC ISLANDS REGION
	30	01	19	36.8?	33.68	S	72.31	W	33	N			0.6	6	OFF COAST OF CENTRAL CHILE
f	30	01	28	54.5	21.702	S	176.616	W	188	G	6.4		0.9	453	FIJI ISLANDS REGION. mb 6.8 (PAS), 6.4 (BRK). Appears to be two events about 5 seconds apart, with slightly different locations. Depth based on first event. Depth from broadband displacement seismograms.
	30	03	46	46.7	39.761	N	28.761	E	10	G	4.8		0.9	33	TURKEY. ML 4.1 (ATH). Felt at Dursunbey.
	30	04	01	53.2&	38.893	N	119.268	W	6					25	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	30	05	56	33.8•	8.459	N	102.916	W	10	G	4.8	4.5	1.1	46	OFF COAST OF MEXICO
	30	06	37	24.3•	44.882	N	33.933	E	10	G	4.2		1.4	21	CRIMEA REGION
	30	06	50	08.9?	6.19	N	126.35	E	96	?	4.5		1.5	13	MINDANAO, PHILIPPINE ISLANDS
	30	07	59	20.3	5.401	S	146.476	E	155		5.0		1.1	24	EAST PAPUA NEW GUINEA REGION
	30	08	23	12.3&	59.884	N	152.423	W	72					32	SOUTHERN ALASKA. <AGS-P>.
	30	09	06	17.7	23.524	S	179.896	W	555	•	4.6		1.1	47	SOUTH OF FIJI ISLANDS
	30	10	44	59.6?	31.50	S	71.81	W	33	N			0.6	8	NEAR COAST OF CENTRAL CHILE
	30	11	57	42.6•	22.027	S	176.535	W	195	?	4.5		0.7	13	SOUTH OF FIJI ISLANDS
	30	12	14	18.4•	10.899	S	165.351	E	33	N	4.3		0.8	15	SANTA CRUZ ISLANDS
	30	12	55	07.0•	16.116	N	119.737	E	33	N	4.5		1.3	8	LUZON, PHILIPPINE ISLANDS
	30	15	47	26.8?	14.94	N	60.37	W	33	N			0.1	5	WINDWARD ISLANDS. ML 2.7 (FDF).
	30	17	40	31.5	31.621	S	69.600	W	126		4.7		1.4	29	SAN JUAN PROVINCE, ARGENTINA
	30	18	12	08.3&	36.827	N	121.578	W	4					17	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt (III) at Aptos. Also felt at Watsonville.
	30	18	22	45.1	26.334	S	27.393	E	5	G			1.4	8	REPUBLIC OF SOUTH AFRICA. MG 4.0 (BUL).
	30	20	10	59.7	5.158	S	152.675	E	50	•	4.6		1.2	24	NEW BRITAIN REGION
	30	21	40	31.7•	1.834	N	126.491	E	49	?	4.7		1.3	21	MOLUCCA PASSAGE
	30	22	46	41.1&	60.226	N	153.039	W	121					26	SOUTHERN ALASKA. <AGS-P>.
	31	01	11	14.8•	2.219	S	76.458	W	175	•	4.3		1.1	14	PERU-ECUADOR BORDER REGION
	31	02	06	39.5•	6.987	N	71.515	W	33	N	5.3		1.2	6	NORTHERN COLOMBIA
	31	02	15	11.9	42.354	N	19.960	E	10	G			0.9	8	YUGOSLAVIA. ML 2.4 (TTG).
	31	02	33	07.2%	45.448	N	26.375	E	142	?			0.6	9	ROMANIA
	31	02	45	13.0•	39.672	N	21.085	E	10	G			1.2	8	GREECE
	31	03	15	11.5	42.336	N	19.918	E	10	G			1.1	8	YUGOSLAVIA. ML 2.3 (TTG).
	31	03	56	48.4?	28.63	S	67.45	W	200	?			1.2	10	LA RIOJA PROVINCE, ARGENTINA
	31	03	57	29.0&	38.417	N	119.320	W	3					31	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.6 (BRK). Mo=3.6•10••22 (BRK). Felt (IV) at Bridgeport and Topaz, California. Also felt at Coleville, South Lake Tahoe and Walker, California.
	31	04	07	20.6	51.522	N	175.826	W	33	N	4.8	3.8	1.1	38	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PWR).
	31	05	24	29.2?	17.35	S	179.42	W	561	•	4.3		0.6	14	FIJI ISLANDS REGION
e	31	07	05	52.7	6.765	N	73.021	W	166		5.2		1.0	120	NORTHERN COLOMBIA. Felt at Bogota, Buc ramanga, Manizales and Medellin.
	31	07	58	41.9	35.057	N	135.703	E	14				0.7	10	SOUTHERN HONSHU, JAPAN. Felt (II JMA) at Kyoto.
	31	11	24	40.8	39.085	N	71.293	E	48	•	4.9		0.9	61	TAJIK SSR. Felt (V) at Dzhirgotal, (III) at Leninabad and (II) at Kharog and Dushanbe.
	31	11	33	33.8?	32.84	S	68.83	W	33	N			1.2	7	MENDOZA PROVINCE, ARGENTINA
	31	11	58	28.0&	41.825	N	112.319	W	5	G				11	UTAH. <SLC>. ML 3.5 (SLC). Felt (V) at Howell, (IV) at Portage and (III) at Garland. Also felt at Plymouth, Riverside and Tremonton.
	31	12	20	12.2	36.184	N	21.955	E	52		4.4		1.1	46	SOUTHERN GREECE
	31	14	27	05.1&	35.580	N	117.180	W	6	G				16	CENTRAL CALIFORNIA. <PAS-P>. ML 3.8 (PAS). Felt (III) in the Ridgecrest-China Lake area.
	31	16	48	49.1	9.445	S	117.490	E	72	•	4.6		1.4	39	SUMBAWA ISLAND REGION
	31	17	12	11.4?	24.03	S	66.95	W	223	?			1.4	6	SALTA PROVINCE, ARGENTINA
	31	17	31	32.2	46.741	N	10.386	E	10	G			1.0	21	NORTHERN ITALY. ML 3.1 (KBA), 2.7 (LDG).
	31	18	48	14.2&	36.947	N	121.572	W	7					19	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.1•10••22 (BRK). Felt (V) at Aromas, (IV) at Moss Landing and (III) at Santa Cruz. Also felt at Gilroy, Hollister, San Juan Bautista, Salinas, San Jose and Watsonville.
	31	20	11	02.0•	51.202	N	16.034	E	10	G			0.9	7	POLAND. ML 3.5 (VKA), 3.2 (KBA).

ADDITIONAL SOURCE PARAMETERS

01 13 00 06.33 5.578S 128.617E 343km
5.3mb (39 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 13:00: 8.4 0.4
Lat 5.59S 0.04 Lon 128.78E 0.06
Dep 330.2 2.0 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.54	41	274
N	-0.56	24	161
P	-2.98	48	50

Best Double Couple:Mo=3.3*10**24

	Strike=	Dip=	Slip=
NP1:	72	24	1
NP2:	341	99	114

01 15 56 03.36 51.767N 175.997W 33km
5.3mb (27 obs.) 4.5Msz (4 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 15:56: 9.3 0.6
Lat 51.85N 0.05 Lon 175.82W 0.08
Dep 58.9 3.1 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.12	74	269
N	0.09	14	57
P	-1.20	8	149

Best Double Couple:Mo=1.2*10**24

	Strike=	Dip=	Slip=
NP1:	255	39	112
NP2:	47	55	73

02 10 12 45.69 34.846N 28.314E 46km
5.4mb (59 obs.) 4.5Msz (3 obs.)
EASTERN MEDITERRANEAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 21C
Centroid Location:
Origin Time 10:12:46.5 1.2
Lat 34.65N 0.10 Lon 29.16E 0.22
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	9.13	13	344
N	-0.36	21	249
P	-8.77	65	103

Best Double Couple:Mo=8.9*10**23

	Strike=	Dip=	Slip=
NP1:	99	37	-53
NP2:	236	61	-114

02 13 57 54.99 20.253N 45.498W 10km
5.2mb (36 obs.) 5.1Msz (3 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 13:58:01.6 0.4
Lat 20.18N 0.06 Lon 45.56W 0.07
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.04	6	274
N	0.00	6	184
P	-1.03	81	49

Best Double Couple:Mo=1.0*10**24

	Strike=	Dip=	Slip=
NP1:	11	39	-80
NP2:	179	52	-98

02 20 15 32.95 2.892N 127.258E 46km
5.6mb (29 obs.) 4.9Msz (7 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centroid Location:
Origin Time 20:15:35.9 0.3
Lat 2.99N 0.06 Lon 127.48E 0.05
Dep 18.0 3.3 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.91	73	187
N	-0.19	9	68
P	-1.73	15	335

Best Double Couple:Mo=1.8*10**24

	Strike=	Dip=	Slip=
NP1:	53	31	73
NP2:	253	60	100

03 09 34 32.34 52.279S 13.586E 10km
5.3mb (6 obs.) 4.5Msz (3 obs.)
SOUTHWEST OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 11C
Centroid Location:
Origin Time 09:34:37.4 1.2
Lat 52.28S FIX;Lon 13.59E FIX
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	5.18	20	204
N	0.48	3	113
P	-5.65	70	15

Best Double Couple:Mo=5.4*10**23

	Strike=	Dip=	Slip=
NP1:	300	25	-83
NP2:	112	65	-93

04 02 00 06.07 2.982N 128.036E 106km
5.8mb (51 obs.)
HALMAHERA
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	239	62	-100
NP2:	80	38	-72

Principal Axes:

	Plg=	Azm=
T	16	336
P	71	127

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a small strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 116 No. of sta: 7
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	1.20	7	19
N	-0.16	21	287
P	-1.03	68	126

Best Double Couple:Mo=1.1*10**25

	Strike=	Dip=	Slip=
NP1:	131	43	-58
NP2:	271	55	-116

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centroid Location:
Origin Time 02:00:12.3 0.2
Lat 3.09N 0.02 Lon 127.79E 0.03
Dep 128.3 1.2 Half-duration 3.3
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	7.92	18	355
N	1.22	13	261
P	-9.14	68	138

Best Double Couple:Mo=8.5*10**24

	Strike=	Dip=	Slip=
NP1:	105	29	-64
NP2:	255	64	-104

05 07 21 37.37 23.801S 112.034W 10km
5.2mb (12 obs.) 4.9Msz (5 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 07:21:43.7 0.5
Lat 24.11S 0.07 Lon 112.22W 0.06
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.83	27	63
N	0.03	2	154
P	-1.85	63	247

Best Double Couple:Mo=1.8*10**24

	Strike=	Dip=	Slip=
NP1:	149	18	-96
NP2:	335	72	-88

05 13 15 45.54 23.716S 111.993W 10km
5.4mb (19 obs.) 5.1Msz (7 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 13:15:54.5 0.2
Lat 23.81S 0.04 Lon 112.09W 0.04
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.37	16	61
N	-0.32	9	153
P	-2.05	72	271

Best Double Couple:Mo=2.2*10**24

	Strike=	Dip=	Slip=
NP1:	138	30	-100
NP2:	338	61	-80

05 18 53 20.95 30.546S 28.737E 5km
4.9mb (27 obs.) 4.8Msz (3 obs.)
REPUBLIC OF SOUTH AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:
Origin Time 18:53:26.9 0.4
Lat 30.08S 0.07 Lon 29.23E 0.05
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.53	8	78
N	-0.46	0	168
P	-1.06	82	258

Best Double Couple:Mo=1.3*10**24

	Strike=	Dip=	Slip=
NP1:	168	37	-90
NP2:	348	53	-90

05 21 57 20.58 43.493N 127.252W 10km
5.1mb (57 obs.) 5.1Msz (8 obs.)
OFF COAST OF OREGON
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 21:57:21.9 0.5
Lat 42.96N 0.08 Lon 127.39W 0.05
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.16	0	69
N	-0.14	78	338
P	-3.02	14	159

Best Double Couple:Mo=3.1*10**24

	Strike=	Dip=	Slip=
NP1:	203	80	-10
NP2:	295	81	-170

06 04 21 46.76 51.863N 176.257W 43km
5.1mb (59 obs.) 4.2Msz (3 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 04:21:55.0 1.1
Lat 52.08N 0.09 Lon 175.92W 0.13
Dep 60.1 5.3 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	6.91	71	272
N	0.78	14	49
P	-7.68	13	142

Best Double Couple:Mo=7.3*10**23

	Strike=	Dip=	Slip=
NP1:	250	35	115
NP2:	40	59	73

06 07 11 02.95 56.825S 26.624W 88km
5.4mb (15 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 07:11: 4.5 0.5
Lat 56.86S 0.04 Lon 25.82W 0.11
Dep 59.1 4.2 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	7.63	19	44
N	3.37	6	136
P	-11.00	70	242

Best Double Couple:Mo=9.3*10**23

	Strike=	Dip=	Slip=
NP1:	125	26	-103
NP2:	319	65	-84

07 11 40 55.06 31.987N 137.676E 400km

5.1mb (69 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 11C
Centroid Location:
Origin Time 11:40:57.8 0.4
Lat 31.85N 0.04 Lon 137.37E 0.10
Dep 395.6 2.7 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.16 Plg=53 Azm= 86
N 0.16 5 183
P -1.32 37 276
Best Double Couple:Mo=1.2*10**24
NP1:Strike= 32 Dip= 9 Slip= 120
NP2: 182 82 85

07 14 03 44.57 16.599S 167.314E 10km
5.7mb (25 obs.) 5.2Msz (3 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 14:03:51.4 0.4
Lat 16.71S 0.03 Lon 167.28E 0.03
Dep 30.0 3.3 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.11 Plg=13 Azm=148
N -0.44 71 18
P -2.67 14 242
Best Double Couple:Mo=2.9*10**24
NP1:Strike=285 Dip=71 Slip= -1
NP2: 15 89 -161

08 00 09 22.47 80.312N 1.742W 10km
5.1mb (66 obs.) 4.7Msz (5 obs.)
NORTH OF SVALBARD
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 00:09:28.1 0.5
Lat 80.30N 0.07 Lon 3.07W 0.22
Dep 15.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 9.61 Plg= 0 Azm=260
N -0.46 90 180
P -9.15 0 170
Best Double Couple:Mo=9.4*10**23
NP1:Strike=305 Dip=90 Slip= 180
NP2: 35 90 0

10 17 49 24.10 13.827N 89.118W 7km
5.0mb (46 obs.) 5.4Msz (9 obs.)
EL SALVADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 17:49:27.8 0.3
Lat 13.91N 0.05 Lon 89.40W 0.05
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 5.01 Plg= 8 Azm=228
N -0.66 79 9
P -4.35 7 137
Best Double Couple:Mo=4.7*10**24
NP1:Strike=272 Dip=79 Slip= 179
NP2: 2 89 11

10 20 18 36.34 42.132S 84.015W 10km
5.4mb (8 obs.) 4.9Msz (2 obs.)
WEST CHILE RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 20:18:36.3 0.7
Lat 42.19S 0.09 Lon 83.46W 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 8.05 Plg= 0 Azm=261
N -0.01 0 171
P -8.04 90 180
Best Double Couple:Mo=8.1*10**23
NP1:Strike=351 Dip=45 Slip= -90
NP2: 171 45 -90

10 21 03 55.37 20.183N 122.267E 127km
5.1mb (26 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 21:03:59.1 0.8
Lat 20.40N 0.07 Lon 121.69E 0.16
Dep 145.3 4.6 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 9.97 Plg=34 Azm=358
N 0.73 23 251
P -10.70 47 134
Best Double Couple:Mo=1.0*10**24
NP1:Strike=143 Dip=24 Slip= -17
NP2: 248 83 -113

11 09 08 10.55 37.931N 28.574E 5km
5.5mb (58 obs.) 5.5Msz (8 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 09:08:15.6 0.6
Lat 37.31N 0.07 Lon 28.71E 0.05
Dep 15.0 BDY Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.78 Plg= 1 Azm=197
N -0.27 41 106
P -3.51 49 288
Best Double Couple:Mo=3.6*10**24
NP1:Strike=328 Dip=57 Slip= -39
NP2: 74 58 -140

12 06 53 48.76 57.814S 25.575W 33km
5.0mb (4 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 06:53:56.6 1.5
Lat 57.72S 0.14 Lon 24.29W 0.22
Dep 37.3 7.4 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 5.21 Plg=76 Azm= 53
N 1.65 6 171
P -6.86 12 263
Best Double Couple:Mo=6.0*10**23
NP1:Strike= 1 Dip=34 Slip= 102
NP2: 167 57 82

13 16 11 40.43 36.067N 70.848E 117km
5.4mb (73 obs.)
HINDU KUSH REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 16:11:44.3 0.4
Lat 35.99N 0.04 Lon 70.98E 0.05
Dep 126.1 2.1 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.18 Plg=38 Azm= 46
N -0.88 31 288
P -2.11 36 171
Best Double Couple:Mo=2.1*10**24
NP1:Strike=200 Dip=31 Slip= 2
NP2: 108 89 121

13 21 17 50.93 37.102N 141.011E 65km
5.7mb (89 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 88 Dip=45 Slip= 65
NP2: 273 50 113
Principal Axes:
T Plg=72 Azm=249
P 3 347
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 58 No. of sta: 9
Principal Axes:
Scale 10**24 d-cm
T Val= 2.66 Plg=82 Azm=276
N 0.00 27 79
P -2.66 7 173
Best Double Couple:Mo=2.7*10**24
NP1:Strike=298 Dip=45 Slip= 130
NP2: 60 58 57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C
Centroid Location:
Origin Time 21:17:52.8 0.3
Lat 36.82N 0.03 Lon 141.43E 0.04
Dep 36.5 2.1 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 2.84 Plg=68 Azm=278
N 0.27 5 21
P -3.11 22 113
Best Double Couple:Mo=3.0*10**24
NP1:Strike=213 Dip=24 Slip= 103
NP2: 19 67 84

14 12 16 20.86 37.019S 95.884W 10km
5.0mb (7 obs.) 4.6Msz (1 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Location:
Origin Time 12:16:24.0 0.6
Lat 36.96S 0.12 Lon 95.65W 0.12
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.18 Plg=16 Azm=238
N -0.93 4 329
P -4.18 74 73
Best Double Couple:Mo=4.6*10**23
NP1:Strike=322 Dip=30 Slip= -98
NP2: 151 61 -86

14 13 07 19.13 43.142S 41.778E 10km
5.4mb (11 obs.) 5.6Msz (5 obs.)
PRINCE EDWARD ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 50C
Centroid Location:
Origin Time 13:07:28.2 0.2
Lat 42.96S 0.02 Lon 41.96E 0.02
Dep 15.0 FIX Half-duration 4.5
Principal Axes:
Scale 10**25 D-CM
T Val= 1.96 Plg= 4 Azm=323
N 0.15 84 193
P -2.11 4 54
Best Double Couple:Mo=2.0*10**25
NP1:Strike= 99 Dip=84 Slip= 0
NP2: 189 90 -174

14 16 53 08.18 5.030S 153.616E 41km
6.2mb (53 obs.) 6.6Msz (24 obs.)
NEW IRELAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=342 Dip=49 Slip= 120
NP2: 121 49 60
Principal Axes:
T Plg=68 Azm=322
P 8 231
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 58 No. of sta: 10
Principal Axes:
Scale 10**26 d-cm
T Val= 1.72 Plg=81 Azm=153
N -0.15 8 315
P -1.56 3 45
Best Double Couple:Mo=1.6*10**26
NP1:Strike=144 Dip=43 Slip= 102
NP2: 308 48 79
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 52C M.W.: 13S, 38C
Centroid Location:

Origin Time 16:53:19.9 0.1
Lat 6.22S 0.01 Lon 153.47E 0.01
Dep 54.0 0.0 Half-duration 9.0
Principal Axes:
Scale 10**26 D-CM
T Val= 1.54 Plg=82 Azm=282
N 0.01 6 142
P -1.54 5 51
Best Double Couple:Mo=1.5*10**26
NP1:Strike=134 Dip=48 Slip= 80
NP2: 327 51 98

15 13 14 29.48 6.228S 146.848E 98km
5.4mb (20 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 28C
Centroid Location:
Origin Time 13:14:32.9 0.5
Lat 6.31S 0.07 Lon 146.75E 0.06
Dep 84.7 9.2 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 10.19 Plg=59 Azm= 19
N 1.02 2 112
P -11.21 31 203
Best Double Couple:Mo=1.1*10**24
NP1:Strike=299 Dip=14 Slip= 98
NP2: 111 76 88

15 23 04 15.19 56.372S 25.640W 33km
5.5mb (8 obs.) 5.0Msz (2 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 23:04:15.8 0.5
Lat 56.93S 0.12 Lon 25.58W 0.19
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**24 D-CM
T Val= 1.76 Plg=54 Azm=154
N 0.14 8 53
P -1.90 35 317
Best Double Couple:Mo=1.8*10**24
NP1:Strike= 13 Dip=13 Slip= 49
NP2: 234 80 98

16 19 54 10.42 27.727N 66.650E 43km
5.2mb (51 obs.) 4.5Msz (1 obs.)
PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 12C
Centroid Location:
Origin Time 19:54:11.2 1.2
Lat 27.24N 0.19 Lon 66.45E 0.23
Dep 46.6 15.6 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 4.77 Plg=40 Azm=216
N -1.18 48 44
P -3.59 4 309
Best Double Couple:Mo=4.2*10**23
NP1:Strike= 1 Dip=60 Slip= 28
NP2: 255 66 146

17 07 32 51.30 5.272S 131.432E 67km
6.3mb (56 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=230 Dip=75 Slip= -25
NP2: 327 66 -164
Principal Axes:
T Plg= 6 Azm=280
P 28 187
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 61 No. of sta: 5
Principal Axes:
Scale 10**25 d-cm
T Val= 4.18 Plg= 5 Azm= 84
N -0.01 53 347
P -4.17 37 178
Best Double Couple:Mo=4.2*10**25
NP1:Strike=214 Dip=61 Slip= -24
NP2: 317 69 -149
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 43C M.W.: 14S, 32C
Centroid Location:
Origin Time 07:32:53.1 0.2
Lat 5.30S 0.01 Lon 131.43E 0.01
Dep 59.6 1.1 Half-duration 0.1
Principal Axes:
Scale 10**25 D-CM
T Val= 4.70 Plg=11 Azm=279
N 0.04 51 23
P -4.74 37 181
Best Double Couple:Mo=4.7*10**25
NP1:Strike=327 Dip=56 Slip=-160
NP2: 225 73 -36

17 20 21 16.95 16.286S 173.947W 109km
5.2mb (18 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 20:21:24.3 1.1
Lat 16.47S 0.13 Lon 173.14W 0.10
Dep 129.8 4.5 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.78 Plg=39 Azm=237
N 0.37 28 353
P -7.06 38 108
Best Double Couple:Mo=6.9*10**23
NP1:Strike=262 Dip=28 Slip= 179
NP2: 353 89 62

18 01 02 52.11 51.738N 175.285W 33km
5.4mb (79 obs.) 4.9Msz (9 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 38C
Centroid Location:
Origin Time 01:03: 0.8 0.4
Lat 52.34N 0.05 Lon 175.34W 0.05
Dep 48.2 2.7 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.64 Plg=72 Azm=301
N 0.21 6 48
P -2.86 17 140
Best Double Couple:Mo=2.8*10**24
NP1:Strike=239 Dip=28 Slip= 102
NP2: 46 62 84

18 09 46 44.01 12.133N 142.880E 52km
5.7mb (36 obs.) 4.9Msz (7 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 09:46:45.8 0.5
Lat 11.69N 0.07 Lon 142.93E 0.04
Dep 30.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.29 Plg=54 Azm= 22
N -0.18 31 168
P -2.11 16 268
Best Double Couple:Mo=2.2*10**24
NP1:Strike= 35 Dip=48 Slip= 144
NP2: 154 68 56

18 22 09 31.72 5.631S 109.997E 643km
5.7mb (54 obs.)
JAVA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=315 Dip=47 Slip= 100
NP2: 121 44 79
Principal Axes:
T Plg=83 Azm=296
P 2 38
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a small strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 620 No. of sta: 6
Principal Axes:
Scale 10**24 d-cm
T Val= 4.84 Plg=11 Azm= 32
N -0.89 15 125
P -3.95 71 268
Best Double Couple:Mo=4.8*10**24
NP1:Strike=103 Dip=37 Slip=-116
NP2: 315 57 -72

19 18 30 57.21 63.887N 178.727W 10km
5.4mb (57 obs.) 4.9Msz (2 obs.)
BERING SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 18:31: 3.9 0.4
Lat 64.06N 0.06 Lon 179.22W 0.10
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.65 Plg=18 Azm=198
N -0.85 68 55
P -1.60 12 293
Best Double Couple:Mo=1.6*10**24
NP1:Strike=336 Dip=88 Slip= 4
NP2: 245 86 158

20 05 35 40.73 4.832S 153.451E 78km
5.5mb (20 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 05:35:44.2 0.7
Lat 5.21S 0.07 Lon 153.39E 0.07
Dep 91.9 6.7 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.13 Plg=41 Azm=110
N 0.36 24 357
P -1.49 40 245
Best Double Couple:Mo=1.3*10**24
NP1:Strike=269 Dip=24 Slip= 2
NP2: 177 89 114

20 06 46 09.98 28.117S 176.367W 29km
6.6mb (51 obs.) 8.1Msz (20 obs.)
KERMADEC ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=88 Slip= 45
NP2: 280 46 166
Principal Axes:
T Plg=38 Azm=251
P 22 143
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 41 No. of sta: 11
Principal Axes:
Scale 10**27 d-cm
T Val= 2.31 Plg=52 Azm=258
N -0.04 23 22
P -2.27 28 125
Best Double Couple:Mo=2.3*10**27
NP1:Strike=259 Dip=27 Slip= 150
NP2: 16 77 66
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C M.W.: 13S, 32C
Centroid Location:
Origin Time 06:46:22.7 0.2
Lat 27.93S 0.01 Lon 176.07W 0.01
Dep 50.4 1.0 Half-duration 13.0
Principal Axes:
Scale 10**27 D-CM
T Val= 4.76 Plg=38 Azm=236
N -0.48 50 36
P -4.28 10 138
Best Double Couple:Mo=4.5*10**27
NP1:Strike=270 Dip=56 Slip= 158
NP2: 13 71 36

20 14 41 26.85 27.932S 176.134W 33km
5.6mb (21 obs.) 6.1Msz (7 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C

Centroid Location:
Origin Time 14:41:34.5 1.0
Lat 27.96S 0.10 Lon 176.29W 0.11
Dep 15.0 BDY Half-duration 3.5
Principal Axes:
Scale 10**25 D-CM
T Val= 1.44 Plg=81 Azm=267
N -0.05 6 8
P -1.38 28 101
Best Double Couple:Mo=1.4*10**25
NP1:Strike=287 Dip=18 Slip= 110
NP2: 6 73 84

20 18 16 04.11 27.972S 176.288W 33km
5.3mb (12 obs.) 5.6Msz (4 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 18:16:10.5 0.7
Lat 27.96S 0.06 Lon 176.50W 0.07
Dep 15.0 BDY Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 8.44 Plg=62 Azm=288
N 1.17 0 19
P -9.61 28 109
Best Double Couple:Mo=9.0*10**24
NP1:Strike=200 Dip=17 Slip= 91
NP2: 19 73 90

20 19 39 15.51 27.792S 176.624W 33km
5.5mb (16 obs.) 5.5Msz (3 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 13C
Centroid Location:
Origin Time 19:39:28.7 0.9
Lat 27.67S 0.10 Lon 176.68W 0.11
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 4.93 Plg=59 Azm=317
N 1.18 15 201
P -6.11 27 104
Best Double Couple:Mo=5.5*10**24
NP1:Strike=163 Dip=23 Slip= 49
NP2: 26 73 105

20 22 51 18.96 28.211S 176.276W 33km
5.3mb (8 obs.) 5.1Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 18C
Centroid Location:
Origin Time 22:51:24.8 1.3
Lat 28.04S 0.19 Lon 176.99W 0.16
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 3.20 Plg=54 Azm=274
N 0.12 10 18
P -3.31 34 115
Best Double Couple:Mo=3.3*10**24
NP1:Strike=241 Dip=15 Slip= 134
NP2: 16 80 88

21 00 43 41.31 27.789S 176.386W 33km
5.5mb (26 obs.) 5.5Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 00:43:43.0 0.4
Lat 27.68S 0.06 Lon 176.31W 0.05
Dep 19.5 6.4 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.78 Plg= 2 Azm=287
N 0.00 88 107
P -2.77 0 17
Best Double Couple:Mo=2.8*10**24
NP1:Strike= 62 Dip=88 Slip= 2
NP2: 332 88 178

21 05 51 59.96 27.919S 176.348W 46km
5.5mb (26 obs.) 5.2Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 11C
Centroid Location:
Origin Time 05:52: 5.1 1.1
Lat 27.80S 0.17 Lon 176.14W 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.41 Plg= 2 Azm=188
N -0.25 20 10
P -1.16 70 196
Best Double Couple:Mo=1.3*10**24
NP1:Strike=210 Dip=47 Slip= -62
NP2: 352 58 -117

21 06 58 50.88 27.262S 176.516W 33km
5.4mb (13 obs.) 5.6Msz (4 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 06:58:57.9 0.4
Lat 27.10S 0.04 Lon 176.70W 0.04
Dep 17.8 2.5 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 4.09 Plg=61 Azm=289
N 0.44 3 194
P -4.53 28 103
Best Double Couple:Mo=4.3*10**24
NP1:Strike=186 Dip=17 Slip= 81
NP2: 15 73 93

21 10 48 21.13 27.726S 176.572W 33km
5.2mb (7 obs.) 5.2Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 10:48:25.7 0.9
Lat 27.82S 0.09 Lon 176.63W 0.08
Dep 22.5 5.6 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 1.65 Plg=53 Azm=261
N 0.20 22 22
P -1.85 29 125
Best Double Couple:Mo=1.8*10**24
NP1:Strike=259 Dip=25 Slip= 149
NP2: 17 77 68

21 11 02 59.98 27.882S 176.467W 33km
5.7mb (34 obs.) 5.9Msz (10 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 11:03: 5.9 0.3
Lat 27.88S 0.03 Lon 176.42W 0.03
Dep 15.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM
T Val= 9.52 Plg=17 Azm=108
N -1.97 26 206
P -7.55 59 349
Best Double Couple:Mo=8.5*10**24
NP1:Strike=165 Dip=36 Slip=-137
NP2: 39 66 -61

21 12 29 44.09 27.644S 176.613W 33km
5.4mb (12 obs.) 5.6Msz (3 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 12:29:49.3 0.3
Lat 27.49S 0.04 Lon 176.55W 0.04
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM
T Val= 7.00 Plg=60 Azm=291
N 0.69 2 197
P -7.69 30 106
Best Double Couple:Mo=7.4*10**24
NP1:Strike=191 Dip=16 Slip= 83
NP2: 18 75 92

21 21 09 36.26 13.326N 99.118W 45km
5.2mb (47 obs.) 5.1Msz (6 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 21:09:37.8 0.5
Lat 13.10N 0.12 Lon 90.41W 0.11
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 3.43 Plg=48 Azm= 58
N -0.01 8 319
P -3.42 41 222
Best Double Couple:Mo=3.4*10**24
NP1:Strike=251 Dip= 9 Slip= 22
NP2: 148 87 98

22 02 38 44.15 28.092S 176.291W 33km
5.3mb (11 obs.) 5.2Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 02:38:49.1 0.7
Lat 27.88S 0.08 Lon 176.51W 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 12.17 Plg=65 Azm=281
N 0.16 3 18
P -12.33 25 110
Best Double Couple:Mo=1.2*10**24
NP1:Strike=207 Dip=20 Slip= 100
NP2: 17 70 87

22 08 59 28.85 10.569S 166.040E 165km
5.9mb (57 obs.)
SANTA CRUZ ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=174 Dip=71 Slip= 100
NP2: 326 21 63
Principal Axes:
T Plg=63 Azm=100
P 25 256
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a small strike-slip component. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 186 No. of sta: 11
Principal Axes:
Scale 10**25 d-cm
T Val= 1.36 Plg=69 Azm=101
N -0.05 5 357
P -1.31 21 266
Best Double Couple:Mo=1.3*10**25
NP1:Strike=346 Dip=25 Slip= 78
NP2: 180 66 96
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 08:59:36.2 0.2
Lat 10.72S 0.02 Lon 165.99E 0.02
Dep 182.6 0.8 Half-duration 3.7
Principal Axes:
Scale 10**24 D-CM
T Val= 11.35 Plg=65 Azm=109
N -1.29 8 1
P -10.07 23 268
Best Double Couple:Mo=1.1*10**25
NP1:Strike=341 Dip=23 Slip= 68
NP2: 185 69 99

22 19 48 48.58 28.324S 176.309W 33km
5.4mb (7 obs.) 5.5Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 19:48:52.1 0.4
Lat 28.09S 0.05 Lon 176.38W 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.35 Plg=80 Azm=285
N 0.23 2 19
P -2.58 29 110
Best Double Couple:Mo=2.5*10**24

NP1:Strike=287 Dip=16 Slip= 99
NP2: 19 74 88

22 22 20 26.76 27.438S 176.571W 33km
5.3mb (14 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 22:20:33.7 0.5
Lat 26.94S 0.06 Lon 176.60W 0.06
Dep 23.9 3.5 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.03 Plg=72 Azm=245
N 0.51 9 5
P -1.54 15 97
Best Double Couple:Mo=1.3*10**24
NP1:Strike=201 Dip=31 Slip= 108
NP2: 8 61 80

23 02 18 51.68 15.578S 167.561E 168km
5.7mb (42 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=223 Dip=61 Slip= 135
NP2: 322 46 13
Principal Axes:
T Plg=37 Azm=172
P 23 280
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 162 No. of sta: 6
Principal Axes:
Scale 10**25 d-cm
T Val= 2.31 Plg=38 Azm=173
N -0.01 56 24
P -2.29 15 272
Best Double Couple:Mo=2.3*10**25
NP1:Strike=316 Dip=58 Slip= 12
NP2: 220 80 147
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 41C
Centroid Location:
Origin Time 02:19: 0.4 0.3
Lat 15.71S 0.03 Lon 167.52E 0.02
Dep 171.0 1.1 Half-duration 6.0
Principal Axes:
Scale 10**25 D-CM
T Val= 2.98 Plg=24 Azm=171
N -0.70 59 34
P -2.28 19 270
Best Double Couple:Mo=2.6*10**25
NP1:Strike=312 Dip=59 Slip= 4
NP2: 220 87 149

23 03 54 20.87 6.097S 146.306E 127km
5.8mb (47 obs.)
EAST PAPUA NEW GUINEA REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 77 Dip=80 Slip=-140
NP2: 339 51 -13
Principal Axes:
T Plg=19 Azm=202
P 35 306
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 114 No. of sta: 7
Principal Axes:
Scale 10**25 d-cm
T Val= 1.03 Plg=22 Azm=213
N 0.18 51 94
P -1.21 31 317
Best Double Couple:Mo=1.1*10**25
NP1:Strike=352 Dip=51 Slip= -7
NP2: 87 84 -141
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 03:54:27.1 0.2
Lat 6.21S 0.02 Lon 146.11E 0.03
Dep 117.7 1.8 Half-duration 3.8
Principal Axes:
Scale 10**24 D-CM
T Val= 11.61 Plg=21 Azm=289
N 0.18 49 92
P -11.79 33 314
Best Double Couple:Mo=1.2*10**25
NP1:Strike=348 Dip=38 Slip= -9
NP2: 84 83 -148

23 05 48 43.75 11.037S 165.204E 19km
5.4mb (17 obs.) 6.5Msz (20 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C M.W.: 10S, 27C
Centroid Location:
Origin Time 15:49: 1.7 0.1
Lat 11.24S 0.01 Lon 165.13E 0.01
Dep 15.0 FIX Half-duration 8.2
Principal Axes:
Scale 10**25 D-CM
T Val= 14.36 Plg=68 Azm= 51
N -0.16 2 144
P -14.19 38 236
Best Double Couple:Mo=1.4*10**26
NP1:Strike=332 Dip=15 Slip= 97
NP2: 144 75 88

23 16 23 49.28 11.086S 165.537E 24km
5.5mb (17 obs.) 6.4Msz (12 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 16:23:57.9 0.3
Lat 11.34S 0.05 Lon 165.29E 0.05
Dep 15.0 FIX Half-duration 6.1
Principal Axes:
Scale 10**25 D-CM
T Val= 5.89 Plg=57 Azm= 48
N -0.17 5 146
P -5.72 32 239
Best Double Couple:Mo=5.8*10**25
NP1:Strike=348 Dip=14 Slip= 112
NP2: 145 77 85

23 18 44 57.41 11.116S 165.179E 38km
5.7mb (23 obs.) 5.5Msz (6 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 18:45: 0.6 0.6
Lat 11.40S 0.09 Lon 165.37E 0.08
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 5.98 Plg=25 Azm= 82
N -0.06 20 342
P -5.84 57 218
Best Double Couple:Mo=5.9*10**24
NP1:Strike=288 Dip=27 Slip= -41
NP2: 336 73 -111

24 02 42 51.60 25.319S 70.176W 51km
5.6mb (28 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 02:42:55.9 0.7
Lat 25.41S FIX;Lon 70.15W FIX
Dep 50.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.24 Plg=39 Azm=215
N 0.04 32 336
P -2.28 34 91
Best Double Couple:Mo=2.3*10**24
NP1:Strike=239 Dip=32 Slip= 174
NP2: 334 87 58

24 02 58 47.01 5.629S 153.875E 52km
5.7mb (21 obs.) 6.3Msz (17 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 37C
Centroid Location:
Origin Time 02:58:52.4 0.2
Lat 5.99S 0.02 Lon 153.77E 0.02
Dep 39.9 1.9 Half-duration 5.5
Principal Axes:
Scale 10**25 D-CM
T Val= 3.76 Plg=74 Azm=354
N 0.19 12 132
P -3.95 10 224
Best Double Couple:Mo=3.9*10**25
NP1:Strike=329 Dip=36 Slip= 118
NP2: 124 56 76

24 05 27 36.52 10.991S 164.987E 47km
5.6mb (30 obs.) 6.0Msz (7 obs.)
SANTA CRUZ ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 05:27:40.9 0.3
Lat 11.40S 0.04 Lon 165.01E 0.04
Dep 15.0 BDY Half-duration 3.9
Principal Axes:
Scale 10**24 D-CM
T Val= 12.41 Plg=23 Azm= 78
N -1.37 21 339
P -11.03 58 212
Best Double Couple:Mo=1.2*10**25
NP1:Strike=203 Dip=28 Slip= -42
NP2: 331 71 -112

24 05 53 17.80 10.884S 165.215E 33km
5.6mb (20 obs.) 5.9Msz (10 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C
Centroid Location:
Origin Time 05:53:24.3 0.3
Lat 11.12S 0.04 Lon 165.13E 0.04
Dep 15.0 FIX Half-duration 4.9
Principal Axes:
Scale 10**25 D-CM
T Val= 2.84 Plg=59 Azm= 50
N 0.03 6 151
P -2.87 30 244
Best Double Couple:Mo=2.9*10**25
NP1:Strike=354 Dip=16 Slip= 114
NP2: 149 76 83

24 11 00 47.22 51.402N 176.859W 33km
5.2mb (27 obs.) 4.3Msz (1 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 13C
Centroid Location:
Origin Time 11:00:50.3 1.0
Lat 51.31N 0.12 Lon 176.75W 0.17
Dep 52.2 7.8 Half-duration 3.1
Principal Axes:
Scale 10**23 D-CM
T Val= 7.57 Plg=65 Azm=311
N -0.83 19 88
P -6.74 16 184
Best Double Couple:Mo=7.1*10**23
NP1:Strike=299 Dip=33 Slip= 126
NP2: 78 63 69

24 22 35 35.65 27.591S 176.121W 44km
5.2mb (14 obs.) 4.6Msz (1 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 22:35:36.0 1.2
Lat 27.43S 0.15 Lon 175.84W 0.13
Dep 49.610.9 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 5.00 Plg=29 Azm=258
N 0.44 0 167
P -5.44 61 77
Best Double Couple:Mo=5.2*10**23
NP1:Strike=349 Dip=16 Slip= -89
NP2: 167 74 -90

25 04 35 53.13 5.655S 154.058E 48km
5.3mb (13 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 04:35:58.6 0.4
Lat 6.05S 0.06 Lon 153.96E 0.06
Dep 83.1 5.0 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	9.58	84	76
N	1.70	2	327
P	-11.27	5	237

Best Double Couple:Mo=1.0*10**24

	Strike=	Dip=	Slip=
NP1:	325	40	87
NP2:	149	50	92

25 20 47 01.80 17.663S 168.135E 31km
5.8mb (48 obs.) 5.9Msz (19 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	155	47	90
NP2:	335	43	90

Principal Axes:

	Plg=	Azm=
T	88	65
P	2	245

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 41 No. of sta: 12
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	3.69	73	130
N	0.25	12	355
P	-3.94	12	263

Best Double Couple:Mo=3.8*10**25

	Strike=	Dip=	Slip=
NP1:	338	35	69
NP2:	183	58	104

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centroid Location:
Origin Time 20:47: 8.9 0.2
Lat 17.73S 0.03 Lon 167.88E 0.02
Dep 45.4 1.6 Half-duration 4.6
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	1.86	83	346
N	0.39	7	171
P	-2.25	1	81

Best Double Couple:Mo=2.1*10**25

	Strike=	Dip=	Slip=
NP1:	164	45	88
NP2:	357	46	100

26 00 59 23.01 5.688S 154.051E 49km
5.6mb (20 obs.) 4.7Msz (1 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 25C
Centroid Location:
Origin Time 00:59:27.9 0.3
Lat 5.95S 0.04 Lon 153.94E 0.04
Dep 57.1 3.5 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.32	82	348
N	0.24	7	142
P	-2.56	4	232

Best Double Couple:Mo=2.4*10**24

	Strike=	Dip=	Slip=
NP1:	330	42	101
NP2:	135	49	80

26 02 59 34.08 27.719S 176.154W 44km
5.3mb (16 obs.) 5.3Msz (4 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 02:59:37.2 0.6
Lat 27.52S 0.08 Lon 176.21W 0.06
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.68	9	95
N	-0.14	4	186
P	-1.52	80	302

Best Double Couple:Mo=1.6*10**24

	Strike=	Dip=	Slip=
NP1:	180	37	-97
NP2:	9	54	-85

26 04 43 27.49 53.758N 170.049W 214km
5.4mb (86 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 04:43:29.2 0.3
Lat 53.80N 0.05 Lon 170.36W 0.05
Dep 207.4 1.9 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.68	22	43
N	0.32	43	291
P	-3.92	39	152

Best Double Couple:Mo=3.8*10**24

	Strike=	Dip=	Slip=
NP1:	180	45	-15
NP2:	281	79	-134

27 00 09 31.91 46.009N 27.624W 10km
5.3mb (51 obs.) 5.2Msz (11 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 00:09:34.4 0.3
Lat 46.06N 0.07 Lon 27.27W 0.07
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.32	16	278
N	-0.02	5	9
P	-1.30	73	115

Best Double Couple:Mo=1.3*10**24

	Strike=	Dip=	Slip=
NP1:	0	29	-100
NP2:	192	61	-85

27 05 50 46.03 4.284S 152.964E 63km
5.0mb (6 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 05:50:48.7 1.0
Lat 4.55S 0.12 Lon 152.93E 0.13
Dep 52.412.9 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	3.57	54	346
N	0.48	36	155
P	-4.06	5	249

Best Double Couple:Mo=3.8*10**23

	Strike=	Dip=	Slip=
NP1:	11	51	139
NP2:	130	59	47

27 14 11 58.32 7.517N 36.658W 10km
5.3mb (57 obs.) 4.9Msz (7 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Location:
Origin Time 14:12: 0.7 0.4
Lat 7.26N 0.06 Lon 36.20W 0.05
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.61	13	251
N	-0.31	12	158
P	-1.30	72	20

Best Double Couple:Mo=1.5*10**24

	Strike=	Dip=	Slip=
NP1:	356	34	-68
NP2:	151	59	-104

28 15 11 23.30 30.481S 68.182E 10km
5.6mb (48 obs.) 5.5Msz (10 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centroid Location:
Origin Time 15:11:28.9 0.3
Lat 30.56S 0.04 Lon 68.11E 0.04
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	7.38	15	346
N	-0.01	11	253
P	-7.37	71	129

Best Double Couple:Mo=7.4*10**24

	Strike=	Dip=	Slip=
NP1:	91	32	-69
NP2:	247	61	-102

28 17 18 17.95 30.497S 68.061E 10km
5.4mb (39 obs.) 5.1Msz (3 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 17:18:23.8 0.5
Lat 30.59S 0.07 Lon 68.15E 0.07
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.15	20	345
N	-0.01	5	253
P	-2.14	70	151

Best Double Couple:Mo=2.1*10**24

	Strike=	Dip=	Slip=
NP1:	83	25	-79
NP2:	251	65	-95

29 02 15 17.88 47.175N 154.097E 33km
5.4mb (60 obs.) 4.4Msz (2 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 02:15:19.6 1.4
Lat 47.17N 0.13 Lon 154.60E 0.24
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	4.56	83	329
N	0.42	3	211
P	-4.98	6	121

Best Double Couple:Mo=4.8*10**23

	Strike=	Dip=	Slip=
NP1:	207	39	85
NP2:	33	51	94

29 15 28 56.74 9.271N 126.784E 33km
5.3mb (24 obs.) 5.2Msz (2 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 22C
Centroid Location:
Origin Time 15:29: 1.0 0.4
Lat 8.90N 0.05 Lon 127.48E 0.06
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.03	70	335
N	0.01	18	181
P	-3.04	8	89

Best Double Couple:Mo=3.0*10**24

	Strike=	Dip=	Slip=
NP1:	158	48	61
NP2:	14	56	112

29 20 11 39.73 5.722N 125.331E 72km
5.4mb (31 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 20:11:40.6 0.4
Lat 5.61N 0.05 Lon 125.41E 0.04
Dep 49.1 3.9 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.36	54	339
N	-0.13	31	193
P	-3.23	16	93

Best Double Couple:Mo=3.3*10**24

	Strike=	Dip=	Slip=
NP1:	146	48	36
NP2:	27	68	124

30 01 28 54.59 21.702S 176.616W 188km
6.4mb (51 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	18	84	-90
NP2:	198	6	-90

Principal Axes:

	Plg=	Azm=
T	39	108
P	51	288

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION

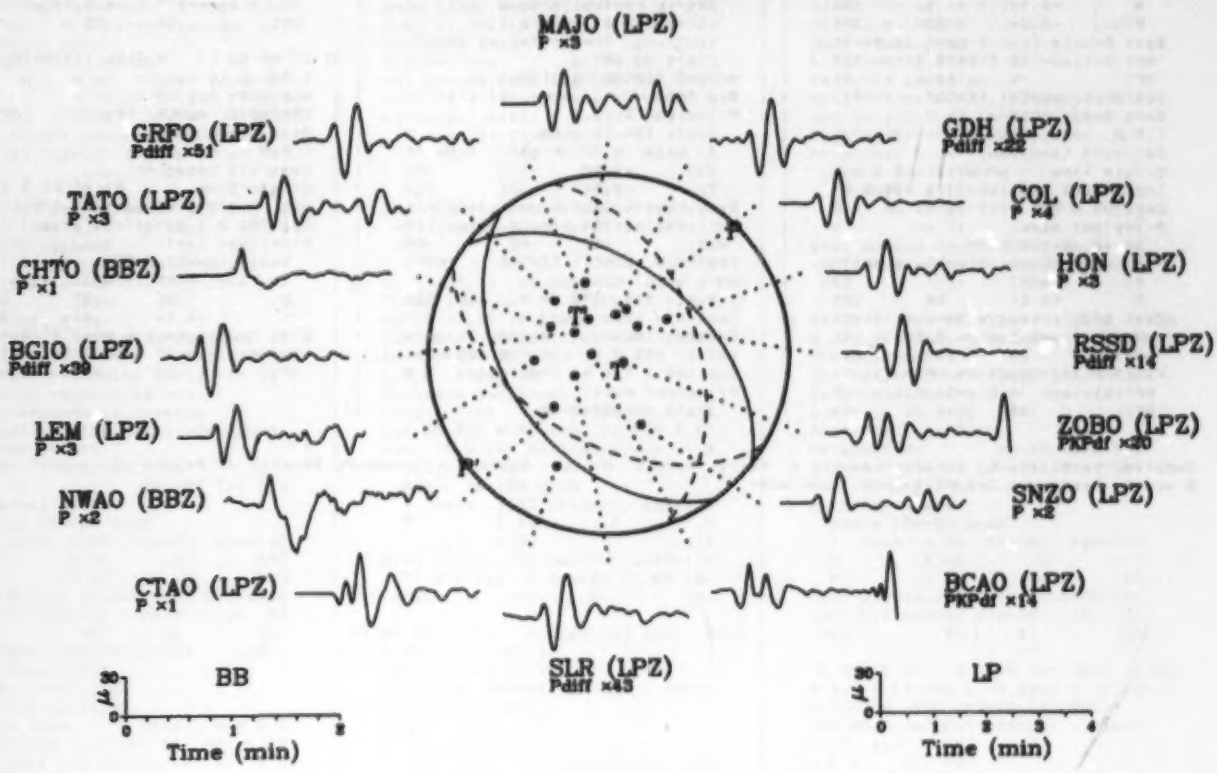
Dep 203 No. of sta: 11
Principal Axes:
Scale 10**26 d-cm
T Val= 6.78 Plg=37 Azm= 94
N -0.94 6 189
P -5.84 52 287
Best Double Couple:Mo=6.3*10**26
NP1:Strike=150 Dip=10 Slip=-129
NP2: 10 83 -84
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 47C M.W.: 13S, 33C
Centroid Location:
Origin Time 01:29: 5.1 0.1
Lat 21.68S 0.01 Lon 176.45W 0.01
Dep 196.3 0.6 Half-duration 7.0
Principal Axes:
Scale 10**26 D-CM
T Val= 6.68 Plg=40 Azm=111
N -0.47 1 20
P -6.21 50 288
Best Double Couple:Mo=6.4*10**26
NP1:Strike=215 Dip= 5 Slip= -75
NP2: 20 85 -91
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 18 Dip=84 Slip= -90
NP2: 198 6 -98

Principal Axes:
T Plg=39 Azm=108
P 51 288
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 203 No. of sta: 11
Principal Axes:
Scale 10**26 d-cm
T Val= 6.78 Plg=37 Azm= 94
N -0.94 6 189
P -5.84 52 287
Best Double Couple:Mo=6.3*10**26
NP1:Strike=150 Dip=10 Slip=-129
NP2: 10 83 -84
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 47C M.W.: 13S, 33C
Centroid Location:
Origin Time 01:29: 5.1 0.1
Lat 21.68S 0.01 Lon 176.45W 0.01
Dep 196.3 0.6 Half-duration 7.0
Principal Axes:
Scale 10**26 D-CM
T Val= 6.68 Plg=40 Azm=111
N -0.47 1 20
P -6.21 50 288
Best Double Couple:Mo=6.4*10**26
NP1:Strike=215 Dip= 5 Slip= -75
NP2: 20 85 -91

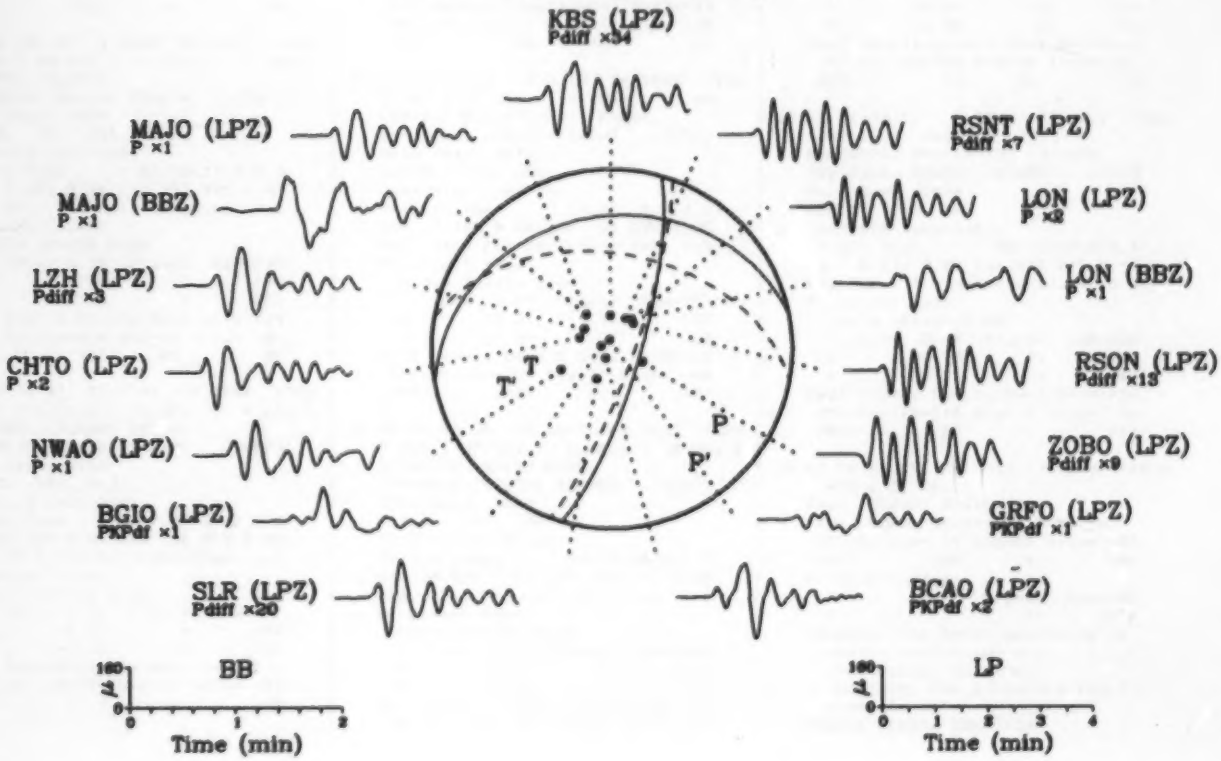
31 07 05 52.77 6.76S N 73.02W 186km
5.2mb (46 obs.)
NORTHERN COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 10C
Centroid Location:
Origin Time 07:05:57.8 1.0
Lat 7.21N 0.09 Lon 73.13W 0.15
Dep 153.2 3.4 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.85 Plg=32 Azm= 97
N 1.90 32 210
P -8.74 41 334
Best Double Couple:Mo=7.8*10**23
NP1:Strike=131 Dip=33 Slip=-171
NP2: 33 85 -58

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

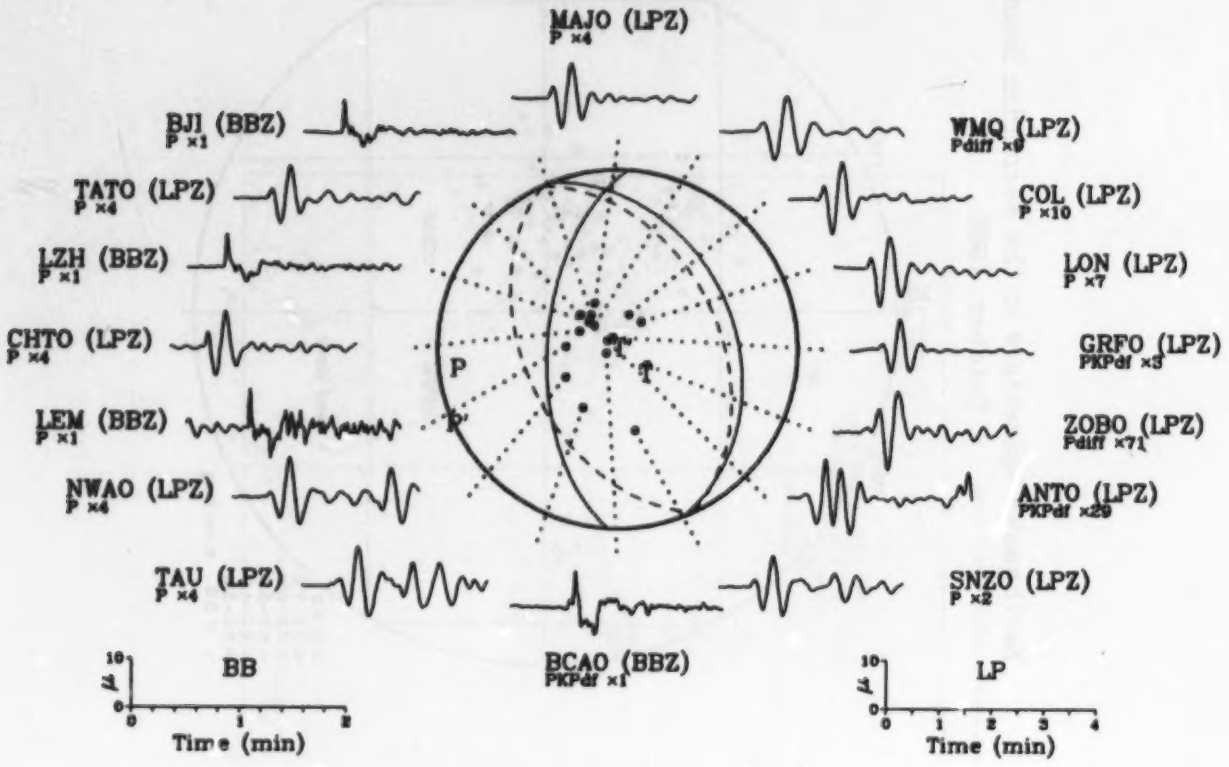
14 October 1986 16:53:08.18
New Ireland Region



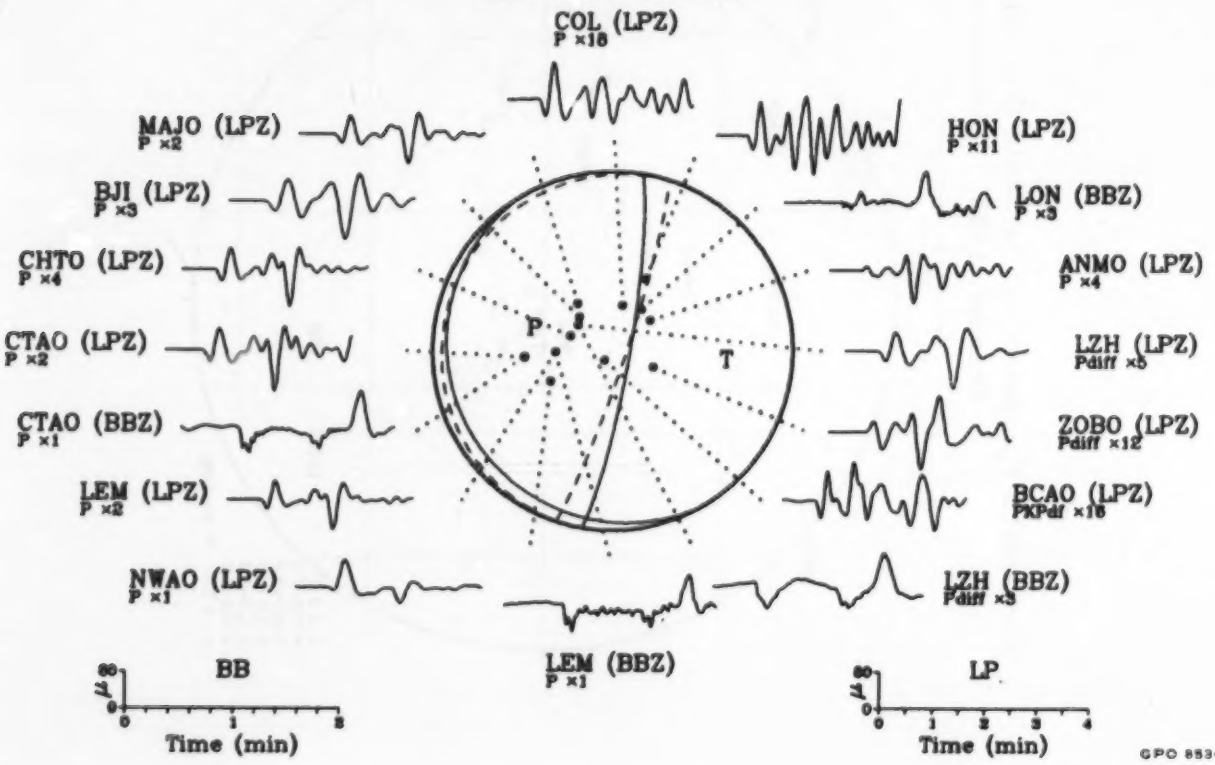
20 October 1986 06:46:09.98
Kermadec Islands Region



25 October 1986 20:47:01.80
Vanuatu Islands

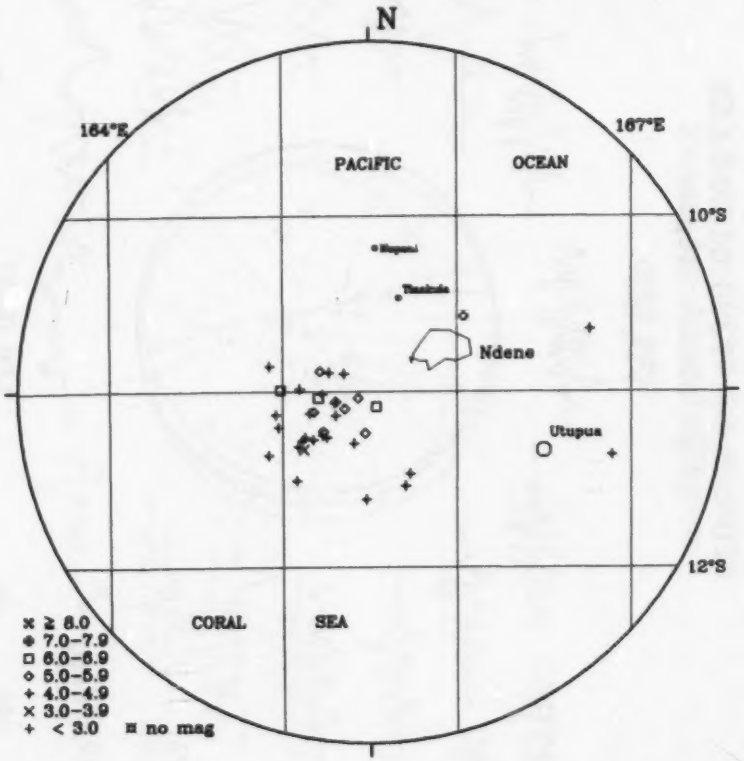


30 October 1986 01:28:54.59
Fiji Islands Region

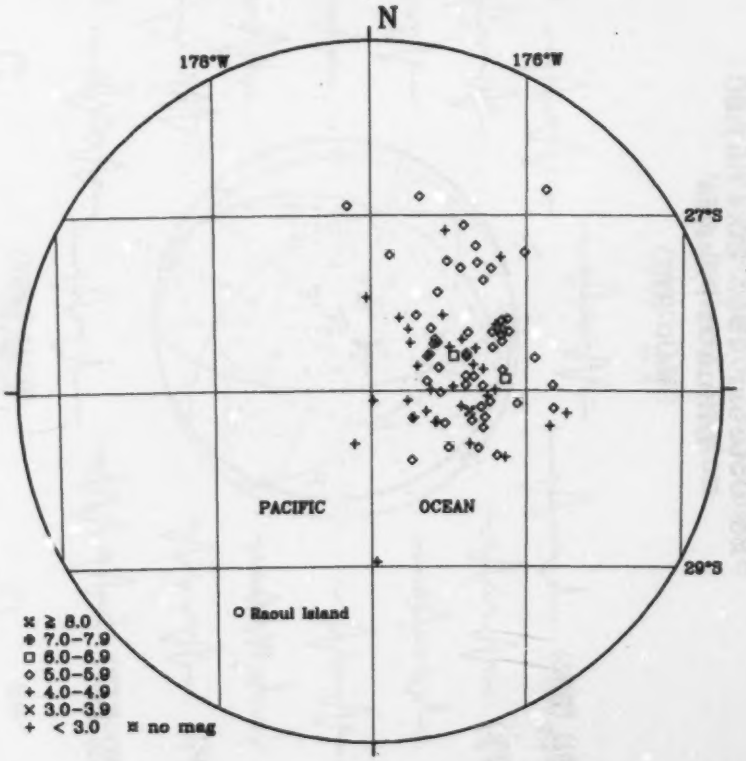


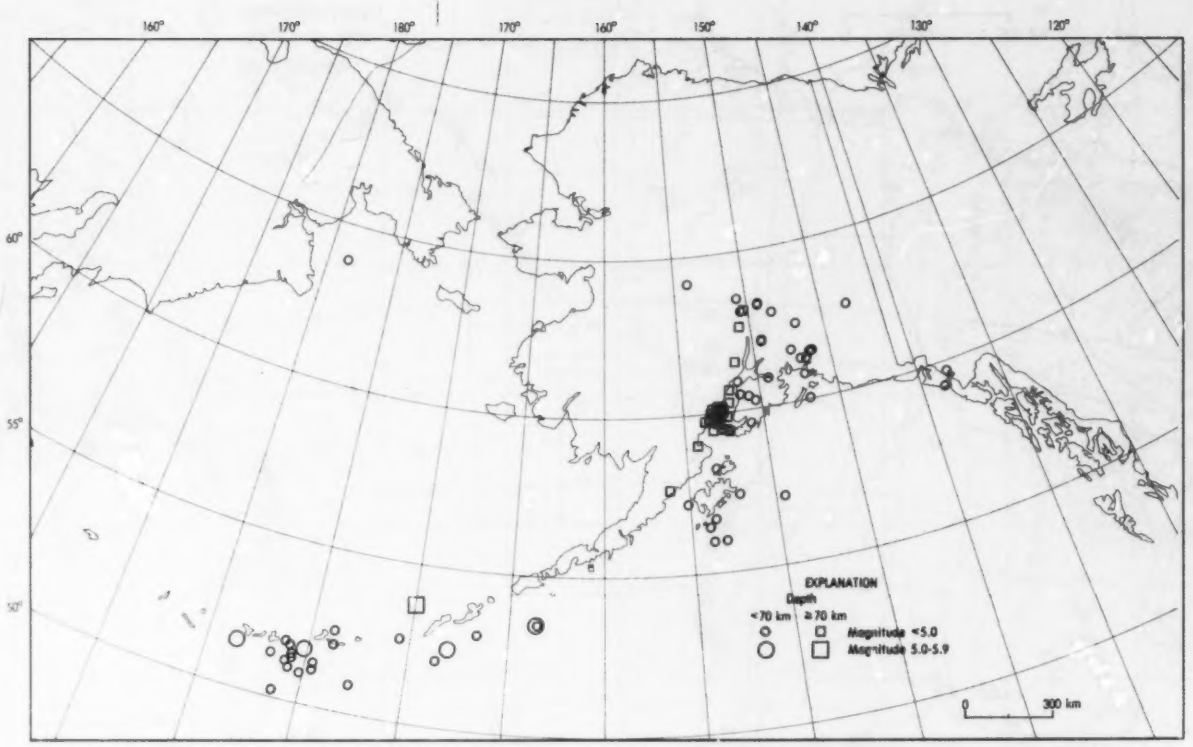
GPO 853-295

Earthquake Epicenters in the Santa Cruz Islands
October, 1986

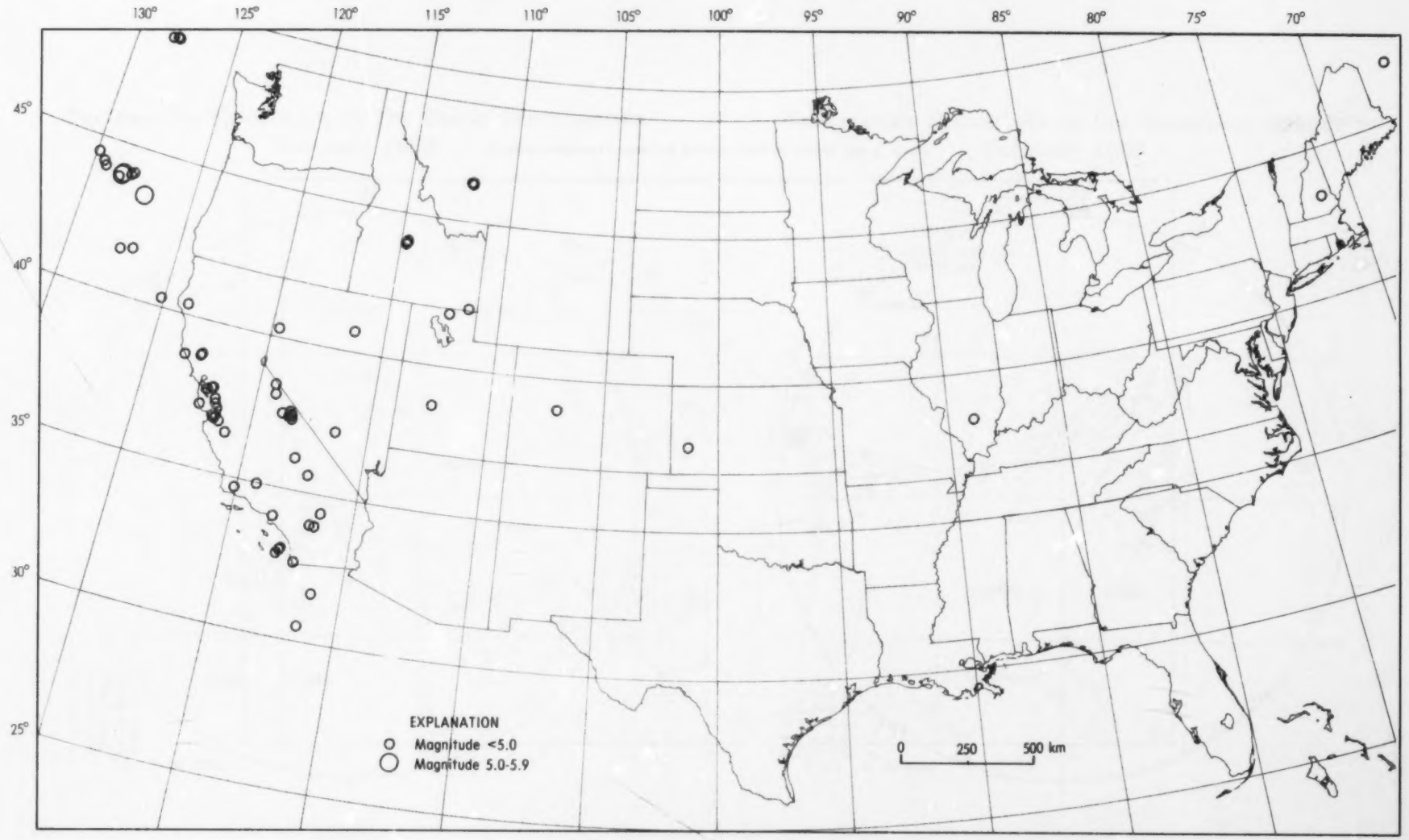


Earthquake Epicenters in the Kermadec Islands
October, 1986

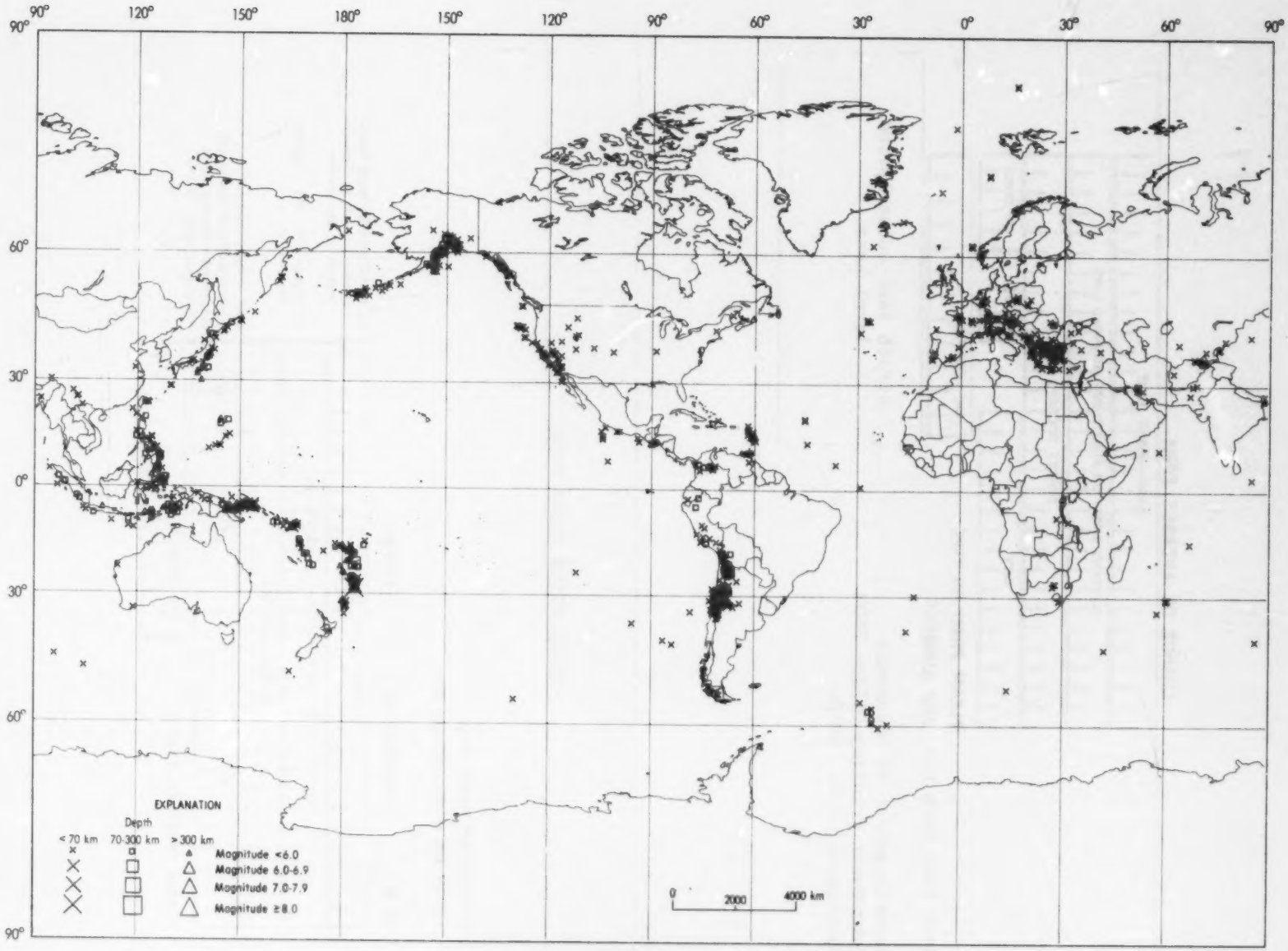




Earthquake epicenters in Alaska and adjacent regions for October, 1986 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for October, 1986 (C. Stover).



Earthquakes located in October, 1986 (C. Stover).

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K E Y	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES MD	MAGNITUDES Moz	MAGNITUDES MS	MAGNITUDES MB	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	38	38.3	40.519	N	27.526	E	10	G				1.0	13	TURKEY
	01	01	05	19.4%	45.429	N	6.816	E	10	G				0.3	6	FRANCE. ML 2.7 (LDG).
	01	01	12	34.1	46.379	N	6.723	E	10	G				1.5	15	SWITZERLAND. ML 2.6 (LDG).
	01	01	12	37.8*	1.582	S	77.429	W	222	*		4.4		1.1	13	ECUADOR
	01	01	16	27.87	27.68	S	67.99	W	33	N				0.4	5	CATAMARCA PROVINCE, ARGENTINA
	01	02	02	13.47	44.83	N	7.59	E	10	G				0.4	6	NORTHERN ITALY. ML 2.5 (LDG).
	01	02	52	05.1%	39.591	N	28.721	E	10	G				0.9	10	TURKEY
	01	03	04	27.6%	40.882	N	28.298	E	10	G				0.5	7	TURKEY
	01	03	08	18.97	41.94	N	22.62	E	10	G				0.4	5	YUGOSLAVIA
	01	03	14	25.0	39.673	N	28.816	E	10	G				1.4	12	TURKEY
	01	03	18	10.1	41.109	N	40.162	E	33	N	4.7	4.0		1.0	77	TURKEY. Felt in Trabzon, Rize, Artvin and Gumushane Provinces.
	01	03	23	38.4*	4.788	N	126.795	E	100	*		4.8		0.9	19	TALAUD ISLANDS
	01	03	49	01.6*	3.958	N	126.183	E	118	*		4.5		1.4	9	TALAUD ISLANDS
	01	04	21	26.7	39.686	N	28.726	E	10	G				0.8	10	TURKEY
e	01	05	02	42.4	26.902	N	96.425	E	26	D	5.4	5.0		1.0	193	BURMA
	01	05	37	02.97	9.92	S	157.18	E	33	N				1.1	5	SOLOMON ISLANDS
	01	06	45	11.4	44.345	N	11.623	E	10	G				1.1	44	NORTHERN ITALY. ML 3.7 (KBA), 3.6 (LDG), 3.4 (TRI).
															42	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PWR).
	01	08	18	15.1&	61.584	N	147.458	W	19						26	AEGEAN SEA. ML 4.0 (ATH).
	01	08	24	31.5	40.161	N	24.988	E	18					1.1	11	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.0*10**21 (BRK).
	01	08	40	12.6&	38.797	N	122.795	W	6						20	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=3.0*10**21 (BRK). Felt (III) at Hollister, San Jose and Tres Pinos. Also felt at Los Gatos and Santa Cruz.
	01	09	31	29.87	40.45	N	19.87	E	10	G				1.3	10	ALBANIA. ML 2.6 (TTG).
	01	10	45	39.1*	8.324	S	119.689	E	159	?	4.3			1.3	16	FLORES ISLAND REGION
	01	10	58	34.6*	27.870	S	176.734	W	33	N	5.0			1.0	36	KERMADEC ISLANDS REGION
	01	11	01	39.8*	27.817	S	176.743	W	33	N	4.9			0.8	30	KERMADEC ISLANDS REGION
	01	13	48	15.7*	1.178	S	100.843	E	81	?	4.7			1.1	11	SOUTHERN SUMATERA
	01	13	51	41.3	0.162	N	121.867	E	230		4.9			0.9	28	MINAHASSA PENINSULA
	01	14	22	02.9&	37.348	N	121.732	W	6						15	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	01	14	25	29.3&	61.384	N	151.854	W	89						22	SOUTHERN ALASKA. <AGS-P>.
	01	14	35	16.97	44.84	N	15.83	E	10	G				0.9	6	YUGOSLAVIA. ML 3.0 (KBA), 2.7 (TRI).
	01	14	41	24.9*	3.756	N	127.833	E	33	N				1.3	15	TALAUD ISLANDS
	01	14	58	57.4&	37.347	N	121.738	W	6						20	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=3.0*10**21 (BRK). Felt (III) at Hollister, San Jose and Tres Pinos. Also felt at Los Gatos and Santa Cruz.
	01	14	55	07.6%	62.415	N	8.489	E	10	G				0.4	6	SOUTHERN NORWAY. MD 2.5 (BER).
	01	16	23	44.5&	59.788	N	153.349	W	122						27	SOUTHERN ALASKA. <AGS-P>.
	01	16	29	48.3?	33.07	S	72.44	W	10	G	4.1			1.3	9	OFF COAST OF CENTRAL CHILE
e	01	18	56	27.7	7.662	S	127.822	E	118	D	5.5			1.2	158	BANDA SEA
	01	18	59	04.0	42.333	N	19.937	E	10	G				0.9	11	YUGOSLAVIA. ML 2.6 (TTG).
	01	19	10	33.1*	37.279	N	21.571	E	74	*	4.0			1.2	15	SOUTHERN GREECE
	01	19	23	38.3&	38.715	N	119.548	W	17						26	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.6 (BRK). Mo=2.1*10**22 (BRK). Felt (V) at Topaz, (IV) at Avery, Pinegrove and Twain Harte, California. Also felt (IV) at Wellington, Nevada. Felt at Bridgeport, Coleville and Walker, California.
e	01	20	06	07.9	4.948	S	145.482	E	58			5.3		1.2	67	NEAR N COAST OF PAPUA NEW GUINEA
	01	20	34	02.3*	33.522	N	103.475	E	33	N	3.2			1.3	9	GANSU PROVINCE, CHINA
	01	20	44	23.4*	8.693	N	123.798	E	278	*	4.2			1.3	11	MINAHASSA PENINSULA
	01	20	57	16.9*	37.158	N	22.193	E	10	G				0.9	16	SOUTHERN GREECE. ML 3.5 (ATH).
	01	21	01	29.07	40.01	N	29.62	E	10	G				1.0	5	TURKEY
	01	21	38	02.5	40.798	N	22.078	E	10	G				0.4	8	GREECE
	01	22	02	24.77	38.01	N	25.71	W	10	G				0.3	7	AZORES ISLANDS
	01	22	17	01.8&	62.089	N	150.647	W	63						30	CENTRAL ALASKA. <AGS-P>.
	01	22	22	36.7	51.245	N	179.755	W	33	N	5.0			0.9	86	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PWR).
	01	23	02	42.5	39.986	N	27.842	E	10	G				1.0	10	TURKEY
	01	23	12	39.0*	11.593	N	86.783	W	119	?	4.6			0.9	18	NEAR COAST OF NICARAGUA
	01	23	17	36.97	29.78	S	70.57	W	168	?				0.3	7	CENTRAL CHILE

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	02	02	45	43.2?	41.88	N	19.61	E	10	G			1.3	6	ALBANIA. ML 2.3 (TTG).
	02	03	02	12.4	39.107	N	27.791	E	10	G			1.4	7	TURKEY
	02	03	46	14.5&	37.638	N	122.483	W	9					10	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=4.0•18••20 (BRK). Felt at San Francisco.
	02	04	00	12.0&	34.192	N	98.855	W	5	G				4	OKLAHOMA. <TUL>. MD 1.7 (TUL).
	02	04	34	47.4•	15.558	S	167.563	E	135	•	4.2		1.1	26	VANUATU ISLANDS
	02	04	45	22.7	8.836	N	127.500	E	33	N	5.1		1.0	34	PHILIPPINE ISLANDS REGION
	02	06	16	43.6•	26.527	N	76.897	E	33	N			1.2	5	NORTHERN INDIA
	02	06	43	45.5?	11.70	S	165.68	E	33	N	4.5		0.9	7	SANTA CRUZ ISLANDS
	02	07	47	56.3	58.810	N	13.545	E	10	G			1.2	15	SWEDEN. ML 3.6 (UPP), MD 3.4 (BER). Felt.
	02	08	37	16.5?	30.29	S	71.27	W	33	N			1.3	7	NEAR COAST OF CENTRAL CHILE
	02	09	05	54.8•	39.666	N	28.883	E	10	G			0.7	5	TURKEY
	02	10	32	13.2	38.786	N	26.941	E	10	G			0.7	10	AEGEAN SEA
	02	11	02	19.7	40.112	N	29.220	E	10	G			1.2	9	TURKEY
	02	11	21	34.3	46.479	N	6.969	E	10	G			1.4	10	SWITZERLAND. ML 2.4 (LDG).
	02	12	17	43.3&	37.801	N	25.337	W	10	G			0.4	5	AZORES ISLANDS
	02	12	18	39.3•	11.418	S	13.302	W	10	G	4.3	3.9	1.3	10	ASCENSION ISLAND REGION
	02	14	10	59.6?	31.34	S	69.33	W	133	?			0.2	8	SAN JUAN PROVINCE, ARGENTINA
	02	15	52	12.6	38.475	N	142.014	E	41	D	5.1		0.9	88	NEAR EAST COAST OF HONSHU, JAPAN
	02	16	48	07.3?	31.19	S	68.39	W	119	?			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	02	18	47	11.9?	40.57	N	23.46	E	10	G			0.3	4	GREECE
	02	19	39	28.8	39.216	N	120.695	W	5	G			0.8	11	NORTHERN CALIFORNIA. ML 2.7 (BRK).
	02	21	15	24.7&	37.910	N	28.398	E	10	G			0.6	5	TURKEY
	02	21	38	45.9•	25.945	S	70.406	W	33	N			1.5	5	NEAR COAST OF NORTHERN CHILE
	02	21	56	10.7?	17.56	S	178.17	W	606	•	4.4		0.8	15	FIJI ISLANDS REGION
	02	22	06	51.6	39.351	N	23.262	E	10	G			0.8	17	AEGEAN SEA. ML 3.0 (ATH).
	02	22	56	12.7•	10.103	N	104.198	W	10	G	4.8	5.0	0.9	17	OFF COAST OF MEXICO
	02	22	56	38.4	40.829	S	44.467	E	10	G	5.1	4.9	1.1	63	ATLANTIC-INDIAN RISE
	02	23	49	10.5•	7.013	N	73.078	W	159	•			1.2	8	NORTHERN COLOMBIA
	03	01	26	23.5•	24.524	S	179.937	E	517	?	4.8		1.2	24	SOUTH OF FIJI ISLANDS
	03	02	02	57.0	37.681	N	30.027	E	10	G			0.6	7	TURKEY
a	03	02	06	19.4	27.544	S	176.232	W	33	N	5.4	5.6	1.2	92	KERMADEC ISLANDS REGION. Ms 5.9 (BRK).
	03	02	43	11.1&	40.568	N	23.505	E	10	G			0.4	6	GREECE
	03	02	43	53.7•	12.024	N	57.777	E	10	G	4.4		1.5	15	ARABIAN SEA
	03	02	59	08.2•	35.545	N	68.502	E	58	?	4.4		1.4	12	HINDU KUSH REGION
	03	03	00	54.8?	39.20	N	140.95	E	33	N	4.2		1.5	8	HONSHU, JAPAN. Felt (III JMA) in the Ofunato area.
	03	04	51	45.9•	27.356	S	176.285	W	33	N	4.7		0.9	20	KERMADEC ISLANDS REGION
	03	04	58	04.2	21.406	S	68.248	W	134		4.9		1.3	50	CHILE-BOLIVIA BORDER REGION
	03	05	27	16.8•	27.647	S	176.052	W	33	N	4.4	4.8	1.3	12	KERMADEC ISLANDS REGION
	03	05	51	01.8•	37.119	N	71.606	E	132	?			1.8	7	AFGHANISTAN-USSR BORDER REGION
	03	05	58	19.1?	77.10	N	7.04	E	10	G	4.8		1.5	5	SVALBARD REGION
	03	06	24	45.6	45.317	N	7.565	E	10	G			1.0	11	NORTHERN ITALY. ML 2.4 (LDG).
	03	07	39	54.0?	28.01	N	55.12	E	33	N	4.2		0.2	6	SOUTHERN IRAN
	03	08	43	33.1•	39.485	S	46.059	E	10	G	4.9	4.7	0.6	11	ATLANTIC-INDIAN RISE
	03	09	00	56.9?	37.35	N	26.84	E	10	G			1.1	6	DODECANESE ISLANDS
	03	09	45	26.3	10.278	S	161.445	E	99	•	4.9		0.9	19	SOLOMON ISLANDS
	03	10	29	31.9	17.937	S	178.640	W	589	D	5.1		0.8	88	FIJI ISLANDS REGION
	03	10	37	48.7•	33.711	S	71.786	W	33	N			0.5	7	NEAR COAST OF CENTRAL CHILE. Felt (II) at Rancagua.
	03	11	07	44.6&	16.877	N	61.399	W	10	G			0.7	5	LEEWARD ISLANDS. ML 2.5 (FDF).
a	03	13	52	04.0	28.516	N	128.040	E	200	D	5.0		0.9	58	RYUKYU ISLANDS
	03	14	13	31.2•	13.366	N	90.433	W	48	•	3.8		1.1	31	NEAR COAST OF GUATEMALA
	03	15	11	22.3	24.215	S	67.053	W	193		4.5		1.1	25	CHILE-ARGENTINA BORDER REGION
	03	15	19	18.0•	27.948	S	176.031	W	33	N	4.8		1.4	15	KERMADEC ISLANDS REGION
	03	15	25	57.9•	40.975	N	23.391	E	10	G			0.1	5	GREECE
	03	15	36	15.7•	21.992	S	67.329	W	205	•			0.9	8	CHILE-BOLIVIA BORDER REGION
	03	15	51	36.8	33.523	N	0.909	E	10	G	4.3		0.9	18	ALGERIA
	03	16	13	03.7•	23.363	S	66.244	W	295	?			0.6	7	JUJUY PROVINCE, ARGENTINA
	03	17	10	40.2&	40.893	N	29.374	E	10	G			0.7	5	TURKEY
	03	17	11	31.4&	40.057	N	29.478	E	10	G			0.8	5	TURKEY
	03	17	29	31.5?	38.89	N	22.59	E	10	G			1.6	5	GREECE. ML 3.2 (ATH).
	03	18	19	12.7	27.375	S	176.147	W	33	N	5.2	5.4	1.3	37	KERMADEC ISLANDS REGION
	03	18	37	16.0•	46.150	N	16.029	E	10	G			0.8	7	YUGOSLAVIA. ML 2.7 (KBA), 2.4 (TRI).
	03	18	44	02.9	40.243	N	25.211	E	8		4.1		0.9	46	AEGEAN SEA. ML 4.0 (ATH).
	03	19	31	38.8•	50.799	N	15.966	E	10	G			1.0	8	CZECHOSLOVAKIA. ML 3.6 (VKA), 3.6 (KBA).
	03	20	08	48.0•	40.396	N	25.874	E	10	G			1.4	9	AEGEAN SEA
	03	20	57	03.7?	41.27	S	85.57	W	10	G	4.8	4.5	1.3	14	WEST CHILE RISE
	03	21	04	01.4&	33.870	N	116.860	W	11					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt in the Palm Springs area.
	03	22	25	08.7	18.697	S	69.570	W	152		4.5		1.0	19	NORTHERN CHILE
	04	01	17	09.3?	17.50	S	178.69	W	557		4.8		1.0	30	FIJI ISLANDS REGION
	04	01	58	14.0	18.142	N	101.512	W	66	•	4.8		1.0	54	GUERRERO, MEXICO. Felt in the Acapulco-Ixtapa area. Felt slightly at Mexico City.
	04	02	04	40.8	19.603	S	69.143	W	166	•			0.7	11	NORTHERN CHILE
	04	02	10	54.4?	31.98	S	69.52	W	162	?			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	04	02	32	47.6?	28.80	S	70.99	W	33	N			1.0	9	CENTRAL CHILE
	04	03	39	57.2	32.477	S	68.441	W	33	N			1.0	12	MENDOZA PROVINCE, ARGENTINA
	04	03	40	28.0?	18.37	S	71.20	W	33	N			0.9	6	OFF COAST OF NORTHERN CHILE
	04	03	46	18.4	8.667	N	73.011	W	10	G	4.4		0.9	9	NORTHERN COLOMBIA
	04	03	52	46.8	50.481	N	12.104	E	10	G			0.6	9	GERMANY. ML 2.9 (GRF).
	04	04	44	46.3	2.649	N	127.288	E	67	D	5.2		1.1	89	MOLUCCA PASSAGE
	04	06	14	18.7&	61.341	N	151.980	W	98		4.7			98	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Hurricane and (II) at Anchorage.
	04	06	55	55.8&	61.317	N	150.642	W	47		4.3			54	SOUTHERN ALASKA. <AGS-P>.
	04	07	06	06.6&	61.329	N	150.668	W	51					32	SOUTHERN ALASKA. <AGS-P>.
	04	08	26	08.9•	50.103	N	19.136	E	10	G			0.1	5	POLAND. ML 2.9 (KRA).
	04	08	46	01.7	44.187	N	114.065	W	5	G			0.6	7	WESTERN IDAHO. ML 3.5 (NEIS).
	04	08	50	35.1	4.523	S	153.637	E	55		5.1		0.9	32	NEW IRELAND REGION
	04	08	58	57.1•	19.302	N	121.079	E	30	•	4.5		1.4	22	PHILIPPINE ISLANDS REGION. Felt (I RF) at Pasuquin.
	04	11	28	45.2	36.666	N	1.525	E	10	G	4.5		1.2	51	ALGERIA. Felt at Ain Defla. Felt also at Algiers.
	04	12	30	03.0?	16.29	S	73.41	W	5	G			1.5	6	NEAR COAST OF PERU
	04	12	35	57.7•	32.349	S	71.850	W	10	G			0.8	10	NEAR COAST OF CENTRAL CHILE
a	04	16	19	15.1	50.881	N	89.269	E	10	G	5.3	4.9	1.1	204	USSR-MONGOLIA BORDER REGION
	04	17	28	27.2?	29.31	N	52.20	E	33	N	4.3		0.7	14	SOUTHERN IRAN

	04	18	09	57.6•	45.451	N	5.669	E	10	G		1.5	8	FRANCE. ML 2.6 (LDG).
	04	18	14	11.3	45.387	N	5.686	E	10	G		0.9	14	FRANCE. ML 3.0 (LDG).
	04	18	15	56.5	37.318	N	3.948	W	10	G		0.9	25	SPAIN. MG 3.9 (MDD). Felt (V) at Chauchina.
	04	18	16	21.2•	45.541	N	5.686	E	10	G		1.6	14	FRANCE. ML 2.7 (LDG).
	04	19	10	05.4•	41.985	N	23.734	E	33	N		1.5	9	GREECE-BULGARIA BORDER REGION
	04	19	45	10.7•	31.998	S	68.155	W	33	N		0.5	5	SAN JUAN PROVINCE, ARGENTINA
	04	20	38	53.9•	16.559	N	97.197	W	64	•	4.5	1.1	28	OAXACA, MEXICO. Felt at Mexico City.
	04	20	58	17.2•	6.181	S	153.329	E	42	•	4.7	1.5	15	NEW BRITAIN REGION
	04	21	08	02.4?	33.46	S	72.26	W	33	N		0.9	10	OFF COAST OF CENTRAL CHILE
	04	22	15	54.1•	36.298	N	1.854	E	10	G		1.1	11	ALGERIA. MG 3.6 (ABA).
	04	23	14	59.6	41.767	N	23.252	E	10	G		0.5	9	GREECE-BULGARIA BORDER REGION
	05	00	06	09.1?	8.64	S	106.72	E	33	N	3.6	0.5	5	SOUTH OF JAVA
	05	00	26	38.7&	60.059	N	152.419	W	80				37	SOUTHERN ALASKA. <AGS-P>.
	05	01	04	06.5•	39.280	N	25.457	E	24	•		1.0	8	AEGEAN SEA
	05	01	15	39.0•	38.694	N	48.617	E	86	•	4.5	1.3	10	N.W. IRAN-USSR BORDER REGION. Felt (V) at Lenkoran, Yardymly and Masally and (IV) at Astara, USSR. Also felt at Astara, Iran.
	05	02	22	16.7	9.123	N	93.619	E	126	D	4.8	1.1	98	NICOBAR ISLANDS REGION
	05	02	42	30.7	39.014	N	29.352	E	10			0.7	18	TURKEY
	05	03	18	36.4&	62.877	N	148.802	W	66				37	CENTRAL ALASKA. <AGS-P>.
	05	04	20	58.2•	6.219	S	131.257	E	33	N	4.0	1.1	10	TANIMBAR ISLANDS REGION
	05	04	22	10.1	42.305	N	19.380	E	10	G		0.9	10	YUGOSLAVIA. ML 2.6 (TTG).
	05	05	02	51.7	47.786	N	8.930	E	10	G		1.2	13	SWITZERLAND. ML 2.8 (LDG).
	05	06	29	54.9•	8.957	S	13.864	W	10	G	4.8 4.7	1.5	12	NORTH OF ASCENSION ISLAND
	05	06	42	07.4&	59.296	N	153.542	W	180				22	SOUTHERN ALASKA. <AGS-P>.
	05	07	57	20.8•	47.584	N	9.789	E	10	G		0.8	7	GERMANY
	05	08	18	17.9%	39.483	N	28.419	E	10	G		1.2	9	TURKEY
	05	09	58	09.3&	60.223	N	153.193	W	135				20	SOUTHERN ALASKA. <AGS-P>.
	05	10	10	05.2•	31.572	S	68.524	W	106	•		0.6	7	SAN JUAN PROVINCE, ARGENTINA
	05	11	45	32.4	4.522	S	152.689	E	27		4.9	1.4	15	NEW BRITAIN REGION
	05	12	40	35.8•	37.465	S	177.742	E	141	•	4.6	1.2	14	OFF E. COAST OF N. ISLAND, N.Z.
	05	13	33	48.4•	43.242	N	19.668	E	10	G		0.5	6	YUGOSLAVIA. ML 2.4 (TTG).
	05	13	34	46.2&	36.993	N	101.561	W	5	G			5	TEXAS PANHANDLE REGION. <TUL>. MD 2.4 (TUL).
	05	14	11	52.0&	59.486	N	136.524	W	25				7	SOUTHEASTERN ALASKA. <AGS-P>.
	05	15	05	10.0•	16.373	N	61.188	W	33	N		0.8	7	LEEWARD ISLANDS. ML 2.3 (FDF).
	05	17	09	26.8?	7.58	S	128.37	E	159	?		1.4	6	BANDA SEA
	05	17	32	36.9	14.124	N	120.528	E	98		5.2	1.0	94	LUZON, PHILIPPINE ISLANDS. Felt (I RF) at Puerto Galera, Mindoro.
	05	17	48	51.8	63.343	N	151.587	W	33	N		1.0	7	CENTRAL ALASKA. ML 4.0 (PMR).
	05	20	05	57.3?	20.84	S	178.83	W	621	•	4.3	0.8	19	FIJI ISLANDS REGION
	05	20	46	02.4•	15.788	S	173.258	W	165	?	5.1	0.9	22	TONGA ISLANDS
	05	21	18	07.1•	21.887	S	65.989	W	280	•		1.1	13	SOUTHERN BOLIVIA
	05	22	12	09.4	38.326	N	22.491	E	22		3.8	1.2	17	GREECE. ML 3.4 (ATH).
	05	22	52	09.5&	62.097	N	151.096	W	69				21	CENTRAL ALASKA. <AGS-P>.
a	06	00	16	39.9	18.016	S	178.404	W	589	D	5.4	0.8	220	FIJI ISLANDS REGION
	06	00	32	14.0•	51.096	N	15.837	E	10	G		1.1	8	POLAND. ML 3.0 (VKA).
	06	01	10	29.0%	12.488	S	76.993	W	33	N		1.4	6	NEAR COAST OF PERU. Felt (III) at Lima.
	06	01	25	04.7	46.069	N	13.346	E	10	G		0.7	8	AUSTRIA. ML 2.3 (TRI).
	06	02	21	25.9?	36.46	N	79.47	E	62	?	4.5	1.4	13	SOUTHERN XINJIANG, CHINA
	06	02	42	34.9•	3.337	N	122.672	E	541	•	4.3	1.1	10	CELEBES SEA
a	06	02	48	23.6	9.007	N	126.240	E	62		5.6	1.1	178	MINDANAO, PHILIPPINE ISLANDS
	06	02	52	00.5	9.100	N	126.368	E	33	N	5.4	1.1	22	MINDANAO, PHILIPPINE ISLANDS
	06	03	34	31.0•	1.174	S	78.449	W	33	N	4.6	1.2	9	ECUADOR
	06	04	12	59.0	39.334	N	73.014	E	73	•	4.6	0.9	30	TAJIK-XINJIANG BORDER REGION. Felt (III) at Fergana and Namangan, USSR.
	06	05	21	08.1&	61.656	N	151.857	W	102				31	SOUTHERN ALASKA. <AGS-P>.
	06	05	26	46.8	44.147	N	16.410	E	10	G		1.3	14	YUGOSLAVIA. ML 3.4 (TRI).
	06	06	30	36.1	44.203	N	6.311	E	27			1.1	25	FRANCE. ML 3.0 (LDG).
	06	06	43	08.0?	50.56	N	175.26	W	33	N	4.7	0.5	6	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	07	48	24.8•	6.146	S	154.815	E	33	N	4.6	0.5	6	SOLOMON ISLANDS
	06	09	19	17.1%	44.696	N	6.919	E	11			0.2	11	FRANCE. ML 2.9 (LDG).
	06	09	19	58.2&	34.749	N	120.159	W	0		4.0		25	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). Felt (V) at Los Alamos and Los Olivos. Felt (IV) at Santa Ynez and Solvang. Also felt at Buellton, Casmalia, Lompoc and Santa Maria.
	06	10	08	20.0&	59.496	N	152.664	W	71				38	SOUTHERN ALASKA. <AGS-P>.
	06	10	13	02.5&	59.907	N	153.479	W	130				30	SOUTHERN ALASKA. <AGS-P>.
	06	10	50	33.9•	36.559	N	70.789	E	291	?	3.7	0.7	11	HINDU KUSH REGION
	06	10	50	43.5?	36.04	N	27.11	E	33	N		0.5	5	DODECANESE ISLANDS
	06	14	34	35.1&	61.808	N	150.637	W	67				32	SOUTHERN ALASKA. <AGS-P>.
	06	14	49	16.3	12.641	S	75.091	W	102		4.7	1.2	34	PERU. Felt (IV) at Huancavelica; (III) at Chincha Alta and Lima.
	06	15	17	14.2	8.654	S	159.103	E	171		4.8	1.1	32	SOLOMON ISLANDS
	06	15	23	25.3•	32.788	S	66.120	W	33	N		0.8	13	SAN LUIS PROVINCE, ARGENTINA
	06	16	11	06.9	24.671	N	122.447	E	28	•	4.9	1.5	50	TAIWAN REGION
	06	18	02	59.8•	23.024	S	174.980	W	33	N		1.2	8	TONGA ISLANDS REGION
a	06	18	27	00.1	51.469	N	176.684	W	33	N	5.1 5.5	1.2	185	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR), Ms 5.6 (BRK). Felt (IV) on Adak.
	06	18	36	24.9	62.842	N	149.681	W	100	?		0.5	8	CENTRAL ALASKA
	06	19	33	20.6•	44.119	N	146.042	E	94	?	4.6	1.1	56	KURIL ISLANDS
	06	19	45	40.4	51.386	N	176.441	W	33	N	4.8	1.2	41	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
	06	20	04	01.7%	39.399	N	28.558	E	10	G		1.1	8	TURKEY
	06	20	16	15.3•	37.822	N	139.611	E	33	N	4.5	1.0	16	HONSHU, JAPAN. Felt (II JMA) at Maebashi and Aizu-Wakamatsu.
	06	20	47	57.8	17.035	N	145.588	E	475		4.7	0.9	51	MARIANA ISLANDS
	06	22	08	20.8&	61.997	N	151.334	W	89				21	SOUTHERN ALASKA. <AGS-P>.
	06	22	16	27.8	39.445	N	72.920	E	43	•	4.6	1.0	23	KIRGHIZ SSR
	06	23	02	50.5&	34.370	N	116.380	W	2				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	06	23	23	04.0•	52.317	N	153.445	E	394	?	4.3	0.8	44	NORTHWEST OF KURIL ISLANDS
	06	23	24	38.2•	30.490	S	71.872	W	33	N		1.0	15	NEAR COAST OF CENTRAL CHILE
	07	00	24	20.4	8.618	N	126.999	E	42	•	5.2 4.6	1.4	63	MINDANAO, PHILIPPINE ISLANDS
	07	00	54	26.8?	37.55	N	19.76	E	10	G		1.5	5	IONIAN SEA. ML 3.9 (ATH).
	07	01	16	12.4	62.661	N	149.764	W	119	?		0.8	10	CENTRAL ALASKA

	07	02	08	00.6&	32.980	N	117.830	W	6	G			8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	07	03	52	48.4•	22.246	N	120.267	E	33	N	4.3	1.4	11	TAIWAN
	07	05	10	40.8•	4.102	S	104.216	W	10	G	4.5	1.4	26	NORTHERN EASTER I. CORDILLERA
	07	05	36	40.2•	20.607	S	68.865	W	167	?		0.6	7	CHILE-BOLIVIA BORDER REGION
	07	08	05	37.6?	32.00	S	71.75	W	33	N		1.2	12	NEAR COAST OF CENTRAL CHILE
	07	09	07	34.6	10.343	N	61.899	W	10	G		1.1	16	TRINIDAD. MG 4.5 (FDF). Felt widely on northern Trinidad.
	07	09	08	43.6?	16.98	S	175.61	W	233	?	5.0	1.1	21	TONGA ISLANDS
	07	09	10	40.6%	39.116	N	28.870	E	10	G		0.5	6	TURKEY
	07	11	37	13.4•	7.484	S	129.879	E	107	?		1.4	10	BANDA SEA
	07	12	32	36.3•	4.959	S	152.427	E	100	•	4.8	1.4	12	NEW BRITAIN REGION
	07	12	44	14.2?	44.87	N	114.48	W	5	G		1.1	4	WESTERN IDAHO. ML 3.0 (NEIS).
	07	12	54	22.5•	39.035	N	26.052	E	23			1.0	13	TURKEY
	07	13	24	36.8	40.562	N	23.454	E	10	G		0.8	10	GREECE
	07	13	27	05.8•	87.068	N	43.640	E	10	G	4.7 4.3	1.1	27	NORTH OF FRANZ JOSEF LAND
	07	13	53	18.5?	34.67	N	70.90	W	10	G		0.6	13	OFF EAST COAST OF UNITED STATES. mbLg 4.8 (NEIS).
o	07	14	43	50.8	14.883	S	69.165	E	10	G	5.0	0.7	56	MID-INDIAN RISE
	07	15	10	22.7?	51.56	N	18.22	E	10	G		0.8	10	POLAND. ML 3.9 (VKA).
	07	15	55	47.8	18.374	N	146.770	E	67	•	4.7	0.9	43	MARIANA ISLANDS
	07	19	41	12.9	40.579	N	23.520	E	10	G		0.6	13	GREECE
o	07	19	48	58.8	28.591	S	176.497	W	33	N	5.7 6.3	1.3	155	KERMADEC ISLANDS REGION. Ms 6.8 (BRK).
	07	20	42	36.7•	49.898	N	15.516	E	10	G		0.5	5	CZECHOSLOVAKIA
	07	20	50	58.9%	44.288	N	6.694	E	10	G		0.2	6	FRANCE. ML 2.7 (LDG).
	07	20	58	53.8•	28.554	S	176.598	W	33	N	5.3	1.2	52	KERMADEC ISLANDS REGION
	07	23	20	45.1•	5.056	S	133.966	E	10	G	3.7	0.8	7	AROE ISLANDS REGION
o	08	00	09	25.7	28.426	S	176.562	W	33	N	5.3 4.9	1.1	57	KERMADEC ISLANDS REGION
	08	00	34	42.8?	24.14	S	179.78	W	494	?	4.6	0.7	18	SOUTH OF FIJI ISLANDS
	08	02	03	35.0	40.613	N	23.427	E	10	G		0.9	10	GREECE
	08	02	09	44.4&	60.438	N	151.878	W	74				22	KENAI PENINSULA, ALASKA. <AGS-P>.
	08	02	52	44.1	32.729	S	68.037	W	9			1.3	16	MENDOZA PROVINCE, ARGENTINA
	08	03	24	30.0•	54.171	S	6.239	E	10	G	5.0	1.3	13	BOUVET ISLAND REGION
	08	04	08	33.9&	60.052	N	148.794	W	4				15	SOUTHEASTERN ALASKA. <AGS-P>.
o	08	04	22	38.7•	28.227	S	176.615	W	33	N	5.3 5.2	1.3	48	KERMADEC ISLANDS REGION
	08	04	46	04.7•	28.383	S	67.638	W	158	•		0.9	15	LA RIOJA PROVINCE, ARGENTINA
	08	04	57	42.4•	28.755	S	176.365	W	33	N	4.9	1.2	23	KERMADEC ISLANDS REGION
	08	06	03	11.2&	60.064	N	140.778	W	2				15	SOUTHEASTERN ALASKA. <AGS-P>.
	08	06	54	58.6&	60.760	N	152.595	W	138				27	SOUTHERN ALASKA. <AGS-P>.
	08	07	03	38.0?	38.91	N	28.54	E	10	G		1.0	5	TURKEY
	08	07	23	32.2•	18.114	S	178.380	W	575	•	4.8	1.1	41	FIJI ISLANDS REGION
	08	07	48	43.8&	62.000	N	152.028	W	113				28	SOUTHERN ALASKA. <AGS-P>.
	08	09	40	01.0	52.233	N	169.617	W	33	N	4.9 4.4	1.1	76	FOX ISLANDS, ALEUTIAN ISLANDS
	08	10	13	23.4%	39.407	N	28.367	E	10	G		0.3	8	TURKEY
	08	10	52	24.9%	39.168	N	27.658	E	10	G		0.5	5	TURKEY
	08	11	20	52.8?	5.25	S	128.88	E	232	•	4.1	0.9	9	BANDA SEA
	08	11	22	19.1	15.554	S	174.802	W	105	?	5.0	1.0	83	TONGA ISLANDS
	08	11	32	30.5•	20.705	S	68.957	W	33	N		0.4	6	CHILE-BOLIVIA BORDER REGION
	08	12	09	10.8	0.322	S	123.882	E	96	•	5.1	1.3	32	MINAHASSA PENINSULA
	08	12	28	08.8•	43.541	N	20.766	E	10	G		1.1	7	YUGOSLAVIA. ML 2.4 (TTG).
	08	14	06	38.9%	60.722	N	5.558	E	10	G		0.4	6	SOUTHERN NORWAY. MD 1.7 (BER).
	08	14	54	13.1&	46.859	N	120.580	W	8				6	WASHINGTON. <SEA-P>. ML 2.9 (NEIS).
	08	14	54	42.7•	28.503	S	176.284	W	33	N	4.9	1.3	38	KERMADEC ISLANDS REGION
	08	15	34	42.3•	7.036	S	145.130	E	33	N		1.3	8	NEAR S COAST OF PAPUA NEW GUINEA
	08	16	33	02.7	7.216	N	126.986	E	33	N	4.9	0.8	28	MINDANAO, PHILIPPINE ISLANDS
	08	16	34	52.5?	61.60	N	6.84	E	10	G		0.4	5	SOUTHERN NORWAY. MD 2.2 (BER).
	08	16	35	22.9•	26.312	S	71.344	W	88	?		0.5	9	OFF COAST OF NORTHERN CHILE
	08	16	38	28.5	44.153	N	20.211	E	10	G		0.8	18	YUGOSLAVIA. ML 2.7 (TTG). Felt (VI) in the Mt. Maljen region and (IV) at Belgrade.
	08	16	41	40.2•	28.170	S	70.846	W	33	N		1.5	17	CENTRAL CHILE
	08	18	24	31.7•	27.176	N	92.322	E	33	N	4.5	1.3	9	INDIA-CHINA BORDER REGION
	08	19	56	23.1•	33.335	S	71.963	W	10	G		1.0	10	NEAR COAST OF CENTRAL CHILE
	08	22	19	23.6	38.699	N	26.655	E	10	G		0.5	9	AEGEAN SEA
	08	23	00	30.2	27.875	S	66.754	W	174		4.9	1.3	44	CATAMARCA PROVINCE, ARGENTINA
	08	23	31	04.6?	5.75	S	129.73	E	33	N		1.4	8	BANDA SEA
	09	02	03	34.9•	21.615	S	176.565	W	152	?	4.3	1.2	22	FIJI ISLANDS REGION
	09	02	17	00.5&	60.145	N	141.826	W	12		4.1		25	SOUTHEASTERN ALASKA. <AGS-P>. ML 4.2 (PMR).
	09	02	17	25.2?	28.66	S	177.39	W	33	N	4.8	1.5	7	KERMADEC ISLANDS REGION
	09	03	33	21.0?	36.66	N	1.63	E	10	G		0.9	9	ALGERIA. ML 3.8 (ABA).
	09	05	49	49.8•	5.371	S	152.768	E	33	N	4.6	1.2	9	NEW BRITAIN REGION
	09	06	06	24.2•	2.880	N	95.886	E	33	N		0.2	5	OFF W COAST OF NORTHERN SUMATERA
	09	06	28	33.8•	47.479	N	0.737	W	10	G		0.2	5	FRANCE. ML 2.1 (LDG).
	09	06	48	16.3	39.054	N	27.808	E	10	G		1.1	7	TURKEY
	09	08	27	39.1?	11.58	S	117.55	E	10	G	4.2	1.5	7	SOUTH OF SUMBAWA ISLAND
	09	09	45	30.0	40.564	N	23.507	E	10	G		0.9	9	GREECE
	09	10	11	34.8•	37.547	N	20.556	E	13		4.0	1.5	28	IONIAN SEA. ML 4.0 (ATH).
	09	10	15	45.3&	61.679	N	151.761	W	89				25	SOUTHERN ALASKA. <AGS-P>.
	09	11	10	22.0•	27.892	S	70.855	W	33	N		1.2	10	NEAR COAST OF NORTHERN CHILE
	09	12	04	56.1•	29.088	S	176.270	W	33	N	4.8	1.3	15	KERMADEC ISLANDS REGION
	09	12	06	34.5	46.210	N	112.125	W	5	G		0.7	9	MONTANA. ML 3.2 (BUT), 3.3 (NEIS).
o	09	12	16	24.4	52.263	N	168.363	W	33	N	5.3 4.7	1.1	155	FOX ISLANDS, ALEUTIAN ISLANDS
	09	12	27	40.8	16.009	S	174.950	W	303		4.8	0.9	41	TONGA ISLANDS
	09	12	42	02.4?	52.58	N	168.47	W	33	N	4.8	1.3	19	FOX ISLANDS, ALEUTIAN ISLANDS
	09	12	43	27.9%	47.500	N	0.680	W	10	G		0.3	5	FRANCE. ML 2.2 (LDG).
	09	12	57	52.7	36.324	N	71.142	E	142	D	4.7	1.1	26	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog, USSR.
	09	13	04	27.5	11.143	S	162.365	E	33	N	5.3	1.1	48	SOLOMON ISLANDS
	09	13	38	10.3	39.072	N	27.896	E	10	G		0.7	10	TURKEY
	09	13	39	24.7	39.072	N	27.851	E	10	G		0.7	6	TURKEY
	09	13	55	21.5•	4.269	S	102.366	E	72	•	5.0	1.1	37	SOUTHERN SUMATERA
	09	14	02	26.4•	43.979	N	114.748	W	5	G		0.6	9	WESTERN IDAHO. ML 3.8 (NEIS).
	09	14	10	46.2	33.993	N	96.328	E	10	G	5.0	1.0	42	QINGHAI PROVINCE, CHINA
	09	14	15	37.8•	44.024	N	114.723	W	5	G		0.7	6	WESTERN IDAHO. ML 3.3 (NEIS).
	09	14	44	47.7•	3.880	S	134.741	E	33	N	4.1	1.4	14	WEST IRIAN REGION
	09	14	46	28.8•	47.488	N	0.409	W	10	G		1.3	7	FRANCE. ML 2.7 (LDG).

a	09	15	00	42.7•	18.625	N	106.797	W	10	G	4.9 5.1	1.3	30	OFF COAST OF JALISCO, MEXICO. Ms 5.2 (BRK).
	09	15	25	52.4•	28.049	S	176.148	W	33	N	4.8	1.2	38	KERMADEC ISLANDS REGION
	09	16	36	37.2?	29.25	S	176.78	W	33	N	4.6	0.5	5	KERMADEC ISLANDS REGION
	09	17	04	44.0•	14.682	N	147.076	E	20	•	3.7	0.7	21	MARIANA ISLANDS REGION
	09	17	57	59.9•	47.490	N	0.716	W	10	G		0.3	5	FRANCE. ML 2.3 (LDG).
	09	18	10	51.6	6.812	N	73.001	W	103		4.3	0.9	29	NORTHERN COLOMBIA
	09	18	49	22.0	6.614	S	154.678	E	40		4.8	1.0	38	SOLOMON ISLANDS. Felt (III) at Arawa, Bougainville.
	09	19	13	54.9	6.688	S	154.658	E	37		4.4	1.1	26	SOLOMON ISLANDS
	09	19	14	30.9?	36.00	N	21.26	E	33	N		1.3	6	SOUTHERN GREECE
	09	19	39	49.6	39.462	N	28.384	E	10	G		0.8	14	TURKEY
	09	20	04	16.2?	27.76	S	176.10	W	33	H	4.6	0.9	9	KERMADEC ISLANDS REGION
	09	20	21	35.6	40.401	N	23.922	E	10	G		0.9	12	GREECE
	09	20	55	19.1	31.069	N	103.715	E	27	•		1.4	15	SICHUAN PROVINCE, CHINA. MG 3.8 (BJI).
	09	21	09	40.8•	67.848	N	165.552	W	33	H	4.2	1.5	14	ALASKA. ML 4.1 (PMR).
	09	21	59	58.1•	38.915	N	24.313	E	10	G		0.7	6	AEGEAN SEA. ML 3.0 (ATH).
a	09	22	27	28.0	17.266	N	61.397	W	52		5.1 4.0	0.9	101	LEEWARD ISLANDS. Felt (II) on Guadeloupe; felt also on Montserrat.
	10	00	08	47.0•	32.488	N	26.093	E	33	N	3.5	1.4	17	EASTERN MEDITERRANEAN SEA
	10	00	10	41.5•	32.095	S	69.686	W	33	N		1.5	11	MENDOZA PROVINCE, ARGENTINA
	10	01	35	12.5&	32.980	N	117.790	W	6	G			9	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	10	01	45	08.4•	37.569	N	20.533	E	10		3.7	1.4	17	IONIAN SEA. ML 3.8 (ATH).
	10	02	08	39.6	6.623	S	154.671	E	38		4.8	1.2	31	SOLOMON ISLANDS. Felt (III) at Arawa and Panguna, Bougainville.
	10	02	18	56.5?	1.76	S	133.51	E	33	N		1.6	5	WEST IRIAN REGION
	10	02	26	44.9•	2.336	N	126.633	E	78	•	4.8	1.1	21	MOLUCCA PASSAGE
	10	02	52	34.1•	24.024	S	67.058	W	192	•	4.8	1.5	19	CHILE-ARGENTINA BORDER REGION
	10	03	06	49.4•	6.854	S	123.329	E	632	•	5.2	1.2	17	BANDA SEA
	10	04	13	55.7•	51.056	N	176.395	W	33	N	4.7	1.2	28	ANDREANOF ISLANDS, ALEUTIAN IS.
	10	04	22	24.4	5.464	S	151.263	E	37	•		1.1	11	NEW BRITAIN REGION
	10	04	56	59.8?	28.05	S	176.38	W	33	N	4.6	1.5	11	KERMADEC ISLANDS REGION
	10	04	57	22.4?	20.09	N	98.24	E	33	N		0.2	5	BURMA
	10	05	57	46.7?	36.38	N	20.81	E	33	N	4.8	1.1	18	MEDITERRANEAN SEA. ML 4.1 (ATH).
	10	07	02	19.9•	35.821	N	22.318	E	33	N	4.3	1.0	9	MEDITERRANEAN SEA. ML 4.1 (ATH).
	10	08	18	06.1•	24.419	N	98.789	E	33	N		1.3	6	BURMA-CHINA BORDER REGION
	10	08	58	05.8?	40.05	N	116.78	E	10	G		1.4	4	NORTHEASTERN CHINA. ML 4.1 (BJI). Felt widely in the Beijing area.
	10	09	19	46.5•	32.198	S	71.261	W	28			0.4	10	NEAR COAST OF CENTRAL CHILE
	10	11	23	37.7%	40.161	N	28.864	E	10	G		0.7	6	TURKEY
	10	13	01	49.9•	7.463	S	155.869	E	33	N	4.2	1.1	7	SOLOMON ISLANDS
	10	13	32	02.9	62.042	N	124.498	W	10	G	4.4	1.3	13	NORTHWEST TERRITORIES, CANADA
	10	14	06	51.9%	40.037	N	23.810	E	10	G		0.5	5	GREECE
	10	15	22	34.4&	38.805	N	122.822	W	2	G			7	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=2.0•10••21 (BRK). Small foreshock about 14 seconds earlier.
	10	15	29	41.7	39.427	N	28.438	E	10			0.9	17	TURKEY
	10	15	51	07.1•	40.580	N	23.625	E	10	G		0.4	5	GREECE
	10	16	56	33.0?	29.50	S	177.10	W	33	N	4.7	1.3	8	KERMADEC ISLANDS
	10	16	57	45.3•	38.561	N	19.735	E	10	G		1.0	12	IONIAN SEA
	10	17	47	32.4	39.058	N	27.861	E	10	G		0.2	6	TURKEY
	10	17	55	00.1?	47.55	N	14.00	E	33	N		1.2	4	AUSTRIA. ML 2.6 (VKA), 2.1 (KBA). Felt at Judenberg.
	10	18	22	25.8•	40.727	N	21.062	E	10	G		0.6	8	GREECE
	10	18	30	47.0?	40.54	N	23.48	E	10	G		0.5	5	GREECE
	10	19	43	45.1	38.436	N	25.220	E	22		4.4 3.8	1.1	84	AEGEAN SEA. ML 4.6 (ATH).
a	10	20	38	46.5	28.344	S	176.488	W	33	N	5.4 5.7	1.1	129	KERMADEC ISLANDS REGION. Ms 5.9 (BRK).
	10	20	53	21.1	41.987	N	19.371	E	10	G		0.7	7	ALBANIA. ML 2.2 (TTG).
	10	21	29	23.0	42.308	N	19.953	E	10	G		0.4	10	YUGOSLAVIA. ML 2.7 (TTG).
	10	21	45	40.7?	52.54	N	169.50	W	33	N	4.8	0.6	6	FOX ISLANDS, ALEUTIAN ISLANDS
a	10	21	52	43.6	7.374	S	155.898	E	51		5.5 5.4	0.9	174	SOLOMON ISLANDS. Felt (IV) at Arawa and (III) at Panguna, Bougainville.
	10	22	32	49.9•	6.933	S	146.458	E	33	N	3.9	1.0	6	EAST PAPUA NEW GUINEA REGION
	10	22	37	05.9?	11.52	S	76.72	W	82	?		0.5	7	PERU
	10	23	25	03.6	5.360	S	152.918	E	45	•	4.0	0.8	13	NEW BRITAIN REGION
a	11	00	02	32.0	2.414	N	126.811	E	79	D	5.7	1.4	143	MOLUCCA PASSAGE
	11	00	52	35.8	38.932	N	24.315	E	10	G		1.1	11	AEGEAN SEA. ML 3.0 (ATH).
	11	01	38	26.9&	59.953	N	151.336	W	44				28	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	02	44	04.1	25.179	S	179.997	E	473		5.0	0.9	70	SOUTH OF FIJI ISLANDS
	11	03	33	04.6?	21.10	S	179.01	W	641	•	4.4	0.6	26	FIJI ISLANDS REGION
	11	07	09	38.1•	24.815	S	176.009	W	33	N	4.8	1.0	22	SOUTH OF FIJI ISLANDS
	11	08	18	58.7	63.387	N	150.241	W	33	N		0.4	9	CENTRAL ALASKA. ML 3.5 (PMR).
	11	09	33	34.6?	12.13	S	166.65	E	100	G	4.2	1.4	27	SANTA CRUZ ISLANDS
	11	10	55	25.8	36.817	N	66.104	E	33	N	4.7	1.2	14	HINDU KUSH REGION
	11	12	02	43.6•	5.489	S	131.265	E	33	N	4.6	1.4	11	BANDA SEA
	11	13	12	56.0	47.816	N	128.542	W	10	G	4.3	1.0	25	OFF COAST OF WASHINGTON
	11	13	13	44.0&	73.740	N	86.100	W	18	G	4.3		12	BAFFIN ISLAND REGION. <OTT-P>.
	11	14	05	16.9	51.452	N	174.778	W	33	N	4.9	1.0	64	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
	11	14	17	14.8	15.030	N	146.978	E	33	N	5.2	0.9	31	MARIANA ISLANDS
	11	15	58	40.0	38.971	N	25.753	E	33	N		1.0	22	AEGEAN SEA. ML 3.5 (ATH).
	11	15	59	23.4?	47.68	N	152.54	E	33	N	4.8	0.7	13	KURIL ISLANDS
	11	16	48	52.5	31.682	S	67.885	W	9			1.1	20	SAN JUAN PROVINCE, ARGENTINA
	11	18	46	51.2&	62.240	N	149.681	W	56				35	CENTRAL ALASKA. <AGS-P>.
a	11	18	57	12.4	48.678	S	31.154	E	10	G	5.7 5.8	1.3	119	SOUTH OF AFRICA
	11	19	03	22.2	48.702	S	31.146	E	10	G	5.4	0.8	25	SOUTH OF AFRICA
	11	19	33	02.7	29.288	S	179.009	W	281	•	4.7	1.1	76	KERMADEC ISLANDS REGION
	11	20	59	52.6	40.449	N	22.661	E	10	G		0.7	7	GREECE
	11	21	19	03.6	61.975	N	149.857	W	23			0.6	9	SOUTHERN ALASKA. ML 3.1 (PMR).
	11	22	49	07.9	39.048	N	27.867	E	10	G		0.5	7	TURKEY
	11	23	17	56.7	39.047	N	27.908	E	10	G		0.8	8	TURKEY
	11	23	29	07.2?	37.47	N	20.40	E	14		3.9	1.3	16	IONIAN SEA. ML 3.9 (ATH).
	12	00	24	47.0?	13.91	S	168.82	E	33	N	5.1	1.2	15	VANUATU ISLANDS
a	12	00	26	04.6	14.340	S	167.675	E	33	N	5.3	1.1	108	VANUATU ISLANDS
	12	02	01	35.3•	51.148	N	174.218	W	33	N	4.6	1.0	21	ANDREANOF ISLANDS, ALEUTIAN IS.
a	12	02	20	35.5	12.402	S	166.825	E	40	D	5.3	1.2	63	SANTA CRUZ ISLANDS
	12	02	21	57.6	40.662	N	29.851	E	10	G		1.1	33	TURKEY
	12	03	48	15.5	1.136	S	147.267	E	63	•	4.9 4.0	0.5	29	ADMIRALTY ISLANDS REGION

	12	04	24	52.4%	40.821	N	28.268	E	10	G		0.6	7	TURKEY
	12	04	30	49.3*	5.142	S	150.749	E	230	*	4.8	0.5	8	NEW BRITAIN REGION
	12	04	39	46.1*	65.917	N	156.440	W	10	G		1.2	7	ALASKA. ML 3.4 (PMR).
	12	05	05	02.4*	14.514	N	93.886	W	32	*	4.8 3.6	1.0	33	NEAR COAST OF CHIAPAS, MEXICO
	12	07	12	47.5*	44.004	N	114.715	W	5	G		0.4	5	WESTERN IDAHO. ML 3.0 (NEIS).
	12	07	19	44.4	42.012	N	19.264	E	10	G		0.2	6	YUGOSLAVIA. ML 2.2 (TTG).
	12	10	06	15.3	38.455	N	73.278	E	115	D	5.2	0.8	145	TAJIK-XINJIANG BORDER REGION. Felt (III) at Murgab, Khorog, Khait and Garm; (II) at Dushanbe, USSR.
	12	10	26	35.4*	38.678	N	26.709	E	12			0.4	9	AEGEAN SEA
	12	10	37	14.4%	60.135	N	4.876	E	10	G		0.2	7	SOUTHERN NORWAY. MD 1.7 (BER).
	12	11	32	51.5*	44.811	N	94.044	E	33	N	4.3	1.5	8	NORTHERN XINJIANG, CHINA
	12	12	37	40.9%	60.098	N	4.843	E	10	G		0.1	7	SOUTHERN NORWAY. MD 2.2 (BER).
	12	12	44	03.2	51.192	N	179.412	E	33	N	4.8	1.1	71	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.8 (PMR).
	12	14	37	01.2	4.778	N	126.387	E	98	*	5.2	1.1	65	TALAUD ISLANDS
	12	14	48	41.0%	60.720	N	5.558	E	10	G		0.4	6	SOUTHERN NORWAY. MD 2.0 (BER).
	12	16	02	49.2*	34.554	N	46.548	E	33	N	4.4	0.9	6	WESTERN IRAN
	12	17	01	58.3	21.911	S	139.085	W	0	G	5.3	1.0	88	TUAMOTU ARCHIPELAGO REGION
	12	17	36	15.5?	31.46	S	68.20	W	110	?		0.5	6	SAN JUAN PROVINCE, ARGENTINA
	12	17	45	12.4	27.949	S	66.997	W	192	*	4.2	1.0	27	CATAMARCA PROVINCE, ARGENTINA
	12	18	01	31.6	39.360	N	28.881	E	10	G		1.0	12	TURKEY
	12	18	02	15.1%	39.568	N	28.881	E	10	G		1.1	8	TURKEY
	12	19	10	41.4?	28.44	S	66.72	W	181	?		0.7	6	CATAMARCA PROVINCE, ARGENTINA
	12	19	41	43.3*	6.118	S	154.050	E	33	N	3.8	0.9	7	SOLOMON ISLANDS
	12	20	02	30.4*	21.133	S	68.908	W	157	?		1.8	8	CHILE-BOLIVIA BORDER REGION
	12	20	32	20.0%	40.695	N	29.989	E	10	G		0.8	8	TURKEY
a	12	20	54	27.7	28.287	S	176.630	W	33	D	5.1 5.6	1.1	86	KERMADEC ISLANDS REGION. Ms 5.9 (BRK).
	12	22	02	15.8*	22.284	N	143.920	E	159	?	4.2	0.7	8	VOLCANO ISLANDS REGION
	12	22	07	16.4&	36.160	N	120.870	W	6	G			13	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 2.9 (BRK).
	12	22	15	46.6	39.333	N	28.923	E	10	G		0.4	8	TURKEY
	12	22	16	09.5	39.609	N	28.974	E	10	G		1.0	5	TURKEY
	13	01	52	27.8	39.340	N	28.988	E	10	G		1.3	13	TURKEY
	13	04	27	16.3%	40.832	N	27.762	E	10	G		1.1	9	TURKEY
	13	04	31	01.1*	63.091	N	150.799	W	147	?		0.4	7	CENTRAL ALASKA
	13	05	12	28.0&	33.960	N	116.730	W	10				14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (IV) at Palm Springs and (III) at North Palm Springs.
	13	07	24	08.7*	32.048	S	70.621	W	10	G		1.1	9	CHILE-ARGENTINA BORDER REGION
	13	07	24	45.4%	39.354	N	28.935	E	10	G		0.6	5	TURKEY
	13	09	34	23.7%	40.561	N	23.464	E	10	G		0.2	5	GREECE
	13	09	40	21.5%	40.565	N	23.493	E	10	G		0.6	8	GREECE
	13	10	59	44.3&	61.987	N	150.745	W	62				35	SOUTHERN ALASKA. <AGS-P>.
	13	11	11	18.5*	26.470	S	26.534	E	5	G		1.4	16	REPUBLIC OF SOUTH AFRICA
	13	11	33	52.9*	41.962	N	19.537	E	10	G		0.4	8	ALBANIA. ML 2.8 (TTG).
	13	12	25	19.1*	4.129	S	131.119	E	33	N	4.2	0.8	12	BANDA SEA
a	13	12	44	07.6	43.854	N	141.770	E	16	D	5.4 5.0	1.2	166	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Rumoi; (II JMA) at Asahikawa and Sapporo and (I JMA) at Obihiro and Wakkanai.
	13	12	54	17.5%	39.326	N	28.843	E	10	G		1.5	6	TURKEY
	13	13	08	12.4*	27.813	S	176.536	W	32	D	4.6	0.8	13	KERMADEC ISLANDS REGION
	13	13	23	47.1	10.275	S	161.343	E	91		5.0	0.9	77	SOLOMON ISLANDS
	13	14	10	04.1&	59.509	N	152.399	W	71				25	SOUTHERN ALASKA. <AGS-P>.
	13	14	46	10.3	7.476	S	156.037	E	54		4.9	1.1	54	SOLOMON ISLANDS. Felt (III) at Arawa, Bougainville.
	13	14	58	28.9	57.629	N	156.549	W	171	*		0.7	34	ALASKA PENINSULA
	13	15	26	28.6*	49.929	N	154.548	E	33	N	4.9	0.7	28	KURIL ISLANDS
	13	15	27	18.0&	59.867	N	152.359	W	72				24	SOUTHERN ALASKA. <AGS-P>.
	13	15	53	03.1%	46.276	N	8.645	E	10	G		1.0	6	SWITZERLAND
	13	16	00	45.7*	30.824	S	71.508	W	64	*		1.1	21	NEAR COAST OF CENTRAL CHILE
	13	16	51	44.8*	7.015	S	129.860	E	110	?	4.2	1.3	14	BANDA SEA
	13	16	55	38.0	37.487	N	118.484	W	5	G		0.6	24	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.6 (PAS). Felt at Bishop, California.
	13	18	45	22.1	37.491	N	118.473	W	5	G		0.5	18	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (BRK), 3.3 (PAS).
	13	19	43	05.0?	5.04	S	151.02	E	177	*		0.8	7	NEW BRITAIN REGION
	13	19	45	00.7*	31.316	S	68.240	W	10	G		1.6	10	SAN JUAN PROVINCE, ARGENTINA
	13	20	33	30.9%	44.205	N	8.223	E	33	N		0.8	6	NORTHERN ITALY. ML 2.7 (LDG).
	13	21	37	35.2	17.424	N	145.785	E	193	*	5.1	1.1	101	MARIANA ISLANDS
	13	22	07	14.9	39.388	N	28.938	E	10	G		1.1	9	TURKEY
	13	22	43	52.4*	36.146	N	9.027	W	33	N		1.5	7	WEST OF GIBRALTAR. MG 3.8 (MTH).
	13	23	03	55.8	39.367	N	28.995	E	10	G		1.0	9	TURKEY
	13	23	26	30.3	39.293	N	29.017	E	10	G		0.6	10	TURKEY
	13	23	26	54.1%	39.325	N	29.039	E	10	G		0.4	7	TURKEY
a	14	00	46	41.4	35.979	N	136.914	E	272		5.1	0.9	222	SOUTHERN HONSHU, JAPAN. Felt (I JMA) at Miyako.
	14	01	47	33.8*	22.108	S	179.748	W	593	*	4.7	1.0	48	SOUTH OF FIJI ISLANDS
	14	03	15	45.5*	3.068	S	145.589	E	33	N	4.9 3.6	1.1	7	NEAR N COAST OF PAPUA NEW GUINEA
	14	03	34	56.3%	39.312	N	29.083	E	8			0.9	9	TURKEY
	14	03	37	04.4%	39.259	N	29.084	E	9			0.8	10	TURKEY
	14	03	38	20.1	39.323	N	29.032	E	6			1.1	11	TURKEY
	14	03	38	58.6	39.326	N	29.086	E	10	G		1.4	21	TURKEY
	14	04	21	26.6	36.075	N	70.376	E	95	*	4.8	0.9	31	HINDU KUSH REGION
	14	04	26	20.4&	38.528	N	122.977	W	2				7	NORTHERN CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt in the Guerneville-Forestville area.
	14	05	02	20.6	39.434	N	25.725	E	10	G		1.1	7	AEGEAN SEA
	14	05	45	44.9*	39.282	N	23.855	E	10	G		1.4	8	AEGEAN SEA. ML 2.9 (ATH).
	14	05	52	29.8*	23.277	S	67.256	W	33	N		1.3	6	CHILE-ARGENTINA BORDER REGION
a	14	06	33	22.8	58.731	S	25.266	W	18	D	5.6 5.2	1.1	113	SOUTH SANDWICH ISLANDS REGION
	14	06	51	14.9%	39.338	N	28.911	E	12	*		1.4	8	TURKEY
	14	06	55	08.9*	12.136	S	76.883	W	33	N		0.9	6	NEAR COAST OF PERU. Felt (II) at Lima.
	14	07	03	23.6	35.900	N	22.236	E	41	*	4.5 3.9	1.4	61	MEDITERRANEAN SEA. ML 4.2 (ATH).
	14	07	27	01.9*	9.728	N	126.357	E	51	*	5.0 4.8	1.2	33	MINDANAO, PHILIPPINE ISLANDS
	14	09	14	23.2*	44.538	N	17.743	E	10	G		1.1	11	YUGOSLAVIA. ML 3.1 (TTG).
	14	11	08	44.6	43.561	N	148.394	E	39	D	4.9	0.9	45	KURIL ISLANDS REGION
	14	12	15	07.9	40.583	N	23.730	E	10	G		0.6	10	GREECE
	14	12	35	53.1*	42.744	N	24.563	E	9			1.0	7	BULGARIA
a	14	12	59	33.3	27.255	S	176.585	W	44	*	5.3 5.1	1.1	74	KERMADEC ISLANDS REGION

	14	14	03	26.0	7.470	S	128.459	E	166	•	4.9	1.1	53	BANDA SEA
	14	14	55	53.8?	26.06	N	128.66	E	33	N	4.5	1.5	12	RYUKYU ISLANDS
	14	16	00	00.0&	37.100	N	116.048	W	0		5.8 4.5		230	SOUTHERN NEVADA. <DOE>. ML 5.6 (BRK). 37° 06' 01.54" N., 116° 02' 53.05" W., Surface Elev. 1263 m., Depth of Burial 600 m., Shot Time 160000.066, "GASCON", Nevada Test Site (Dept. of Energy).
	14	16	37	36.5?	1.65	N	126.81	E	33	N	4.3	0.3	7	MOLUCCA PASSAGE
	14	17	02	04.1%	40.666	N	29.953	E	10	G		0.8	8	TURKEY
	14	17	07	56.3%	40.622	N	29.932	E	10	G		0.4	6	TURKEY
	14	17	26	24.0	10.749	N	63.276	W	10	G	5.0	1.3	49	NEAR COAST OF VENEZUELA. Felt at Carupano and Rio Caribe.
	14	17	52	32.1?	35.32	S	71.00	W	135	?		0.4	13	CENTRAL CHILE
	14	18	16	21.2	38.543	N	27.495	E	14			0.7	9	TURKEY
	14	19	17	46.6	20.981	S	178.882	W	614		5.0	1.0	61	FIJI ISLANDS REGION
	14	19	50	00.7?	35.11	N	20.84	E	33	N	4.2	1.3	13	MEDITERRANEAN SEA. ML 3.4 (ATH).
	14	20	02	36.7	37.981	N	116.014	W	0	G	4.0	1.5	11	SOUTHERN NEVADA. Collapse.
	14	20	55	03.9%	40.633	N	29.925	E	10	G		0.7	8	TURKEY
	14	21	01	25.6	6.839	N	75.956	W	96	•		1.2	14	NORTHERN COLOMBIA
	14	21	20	05.0	23.911	N	121.654	E	33	N	5.4	1.4	394	TAIWAN. Foreshock.
f	14	21	29	10.5	23.981	N	121.574	E	34	G	6.3 7.8	1.2	79	TAIWAN. Ms 7.5 (BRK). Fifteen people killed, 44 injured and damage (V JMA) in the Taipei-Hua-lien area, mostly in the Taipei area. Landslides occurred along the highway between Su-ao and Hua-lien. Taiwan-to-Guam and Taiwan-to-Okinawa undersea telecommunication cables were damaged. Felt strongly throughout Taiwan. Felt (III JMA) on Yonaguni-jima and (II JMA) on Ishigaki-shima, Ryukyu Islands. Felt (II RF) at Pasuquin, Luzon, Philippine Islands. Depth from broadband displacement seismograms.
	14	21	42	43.9	51.426	N	173.821	W	33	N	5.5	1.0	107	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
	14	21	49	03.8&	60.485	N	149.395	W	38				32	KENAI PENINSULA, ALASKA. <AGS-P>.
	14	22	06	16.5%	44.224	N	6.414	E	10	G		0.2	5	FRANCE. ML 2.4 (LDG).
	14	22	34	22.6	24.042	N	121.956	E	33	N	5.3	1.1	116	TAIWAN
a	14	23	04	37.0	23.866	N	121.711	E	33	N	6.1 6.3	1.4	316	TAIWAN. Felt strongly throughout Taiwan. Also felt (I JMA) on Ishigaki-shima, Ryukyu Islands.
	14	23	13	18.5•	51.313	N	15.570	E	10	G		1.0	7	POLAND. ML 3.4 (VKA).
	14	23	29	23.3	23.963	N	121.812	E	33	N	5.0	1.3	71	TAIWAN
	14	23	51	58.2%	39.243	N	28.957	E	10	G		0.8	10	TURKEY
	14	23	56	24.1	23.818	N	121.988	E	33	N	4.8	1.2	35	TAIWAN
	15	00	17	42.8	23.882	N	121.803	E	33	N	5.3	1.2	185	TAIWAN. Felt (I JMA) on Ishigaki-shima, Ryukyu Islands.
	15	00	33	42.6•	23.578	N	121.267	E	33	N	3.9	1.1	9	TAIWAN
	15	00	38	10.2	23.703	N	121.869	E	33	N	4.5	1.4	32	TAIWAN
	15	00	56	55.8•	44.667	N	110.959	W	5	G		0.8	8	YELLOWSTONE NATIONAL PARK, WYO. ML 3.4 (NEIS). Felt (IV) at West Yellowstone, Montana and (III) at Madison Junction, Yellowstone National Park.
	15	01	00	02.1	23.955	N	121.839	E	33	N	5.1 5.4	1.3	98	TAIWAN
	15	01	39	57.5	37.607	N	118.437	W	5	G		0.9	7	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (PAS).
	15	02	10	48.8	23.954	N	121.881	E	33	N	4.2	1.4	25	TAIWAN
	15	03	07	47.3	23.946	N	121.877	E	33	N	4.4	1.4	36	TAIWAN
	15	03	13	59.4•	24.086	N	122.363	E	33	N	4.7	1.5	8	TAIWAN REGION
	15	03	24	59.7	23.975	N	121.814	E	33	N	5.0	1.4	86	TAIWAN
	15	03	37	44.1%	40.687	N	29.308	E	10	G		0.8	8	TURKEY
	15	03	39	48.3•	21.884	S	174.558	E	33	N	4.8	1.3	19	VANUATU ISLANDS REGION
	15	03	52	54.0•	23.826	N	121.732	E	33	N	4.0	1.3	9	TAIWAN
	15	04	24	08.4	23.884	N	121.835	E	33	N	4.5	1.2	27	TAIWAN
	15	04	38	01.3•	31.246	S	68.462	W	111	•		1.1	16	SAN JUAN PROVINCE, ARGENTINA
	15	05	14	32.4?	23.66	N	122.17	E	33	N	4.8	1.6	8	TAIWAN REGION
	15	05	36	19.7•	23.851	N	121.873	E	33	N		1.4	15	TAIWAN
	15	05	52	12.5•	23.831	N	121.718	E	33	N	4.3	1.4	10	TAIWAN
	15	06	06	45.1	36.403	N	140.857	E	54		5.3	0.9	161	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Maebashi, Mito and Utsunomiya; (II JMA) at Onahama and Fukushima and (I JMA) at Tokyo, Yokohama and Sendai.
	15	07	02	14.0&	61.468	N	146.441	W	23				42	SOUTHERN ALASKA. <AGS-P>. ML 3.8 (PMR).
a	15	07	24	07.2	23.877	N	121.677	E	28		5.5 5.8	1.3	252	TAIWAN
	15	08	00	19.7•	47.015	N	22.286	E	33	N		1.5	6	ROMANIA
	15	09	00	13.2	42.706	N	111.667	W	5	G		0.7	6	EASTERN IDAHO. ML 3.3 (NEIS). Felt (IV) at Soda Springs.
	15	09	02	48.3	23.770	N	121.896	E	33	N	4.4	1.3	34	TAIWAN
	15	09	28	31.9	23.935	N	121.960	E	33	N	4.5	1.4	31	TAIWAN
	15	10	25	13.7	41.946	N	19.587	E	10	G		1.1	15	ALBANIA. ML 2.8 (TTG).
	15	10	52	04.1•	29.185	S	68.519	W	33	N		0.7	6	SAN JUAN PROVINCE, ARGENTINA
	15	13	52	22.0•	38.215	N	27.254	E	10	G		1.4	8	TURKEY
	15	15	03	32.1•	23.957	N	121.984	E	33	N	4.0	1.5	15	TAIWAN
	15	15	37	08.7	23.700	N	121.794	E	33	N	4.4	1.2	31	TAIWAN
	15	15	48	58.1?	24.16	N	121.94	E	33	N	4.3	1.5	9	TAIWAN
	15	16	12	58.3	23.923	N	122.039	E	33	N	4.9 4.9	1.2	114	TAIWAN REGION
	15	17	38	22.1?	33.64	S	71.92	W	33	N		1.2	9	NEAR COAST OF CENTRAL CHILE
	15	18	27	16.1?	39.26	N	28.89	E	10	G		0.3	5	TURKEY
	15	18	38	53.8%	40.657	N	23.467	E	10	G		0.4	5	GREECE
	15	18	39	56.9	39.371	N	28.906	E	10	G		0.6	8	TURKEY
	15	19	15	46.9	39.254	N	28.968	E	10	G		0.9	17	TURKEY
	15	19	17	42.8?	43.13	N	1.27	E	10	G		1.3	8	FRANCE. ML 2.9 (LDG).
	15	19	23	32.1?	39.12	N	28.84	E	10	G		0.4	6	TURKEY
	15	19	48	25.2•	23.860	S	175.725	W	71	?	5.1 4.4	1.5	27	TONGA ISLANDS REGION
	15	20	36	38.9	39.414	N	28.983	E	10	G		1.0	9	TURKEY
	15	20	51	31.4•	24.297	N	122.131	E	33	N	4.5	1.5	19	TAIWAN REGION
	15	20	54	53.1	40.660	N	23.406	E	10	G		1.1	11	GREECE. ML 2.6 (VAY).
	15	20	58	54.2&	19.344	N	155.218	W	8				39	HAWAII. <HVO-P>. ML 3.9 (HVO). Felt (III) at Hamakua and Volcano.
	15	21	45	27.0	24.023	N	121.710	E	33	N	4.8	1.4	28	TAIWAN
	15	21	52	18.0	39.363	N	28.913	E	10	G		0.8	8	TURKEY
	15	22	17	03.3	40.661	N	23.452	E	10		3.6	1.3	43	GREECE. ML 3.8 (ATH), 3.2 (SKO).
	15	22	54	33.1?	39.06	N	28.85	E	10	G		1.2	6	TURKEY

	15	22 56 04.8•	36.818 N	71.124 E	33 N	4.6		1.1	14	AFGHANISTAN-USSR BORDER REGION
	16	01 07 24.1	39.313 N	28.974 E	9			0.7	24	TURKEY
	16	01 46 57.5	41.954 N	19.554 E	10 G			0.5	11	ALBANIA. ML 2.4 (TTG).
	16	02 04 23.5?	39.12 N	28.91 E	10 G			0.1	5	TURKEY
	16	02 10 49.9•	39.488 N	28.838 E	21 •			0.8	6	TURKEY
	16	02 36 20.7•	15.743 N	46.650 W	10 G	4.9 3.6		0.7	18	NORTH ATLANTIC RIDGE
	16	02 48 00.7&	61.898 N	150.862 W	70				33	SOUTHERN ALASKA. <AGS-P>.
	16	02 58 35.5•	43.276 N	146.443 E	33 N	4.4		1.8	12	KURIL ISLANDS
	16	03 48 28.2•	38.339 N	26.539 E	10 G			0.7	7	AEGEAN SEA
	16	04 22 31.6?	12.38 S	77.89 W	33 N			0.9	8	NEAR COAST OF PERU. Felt (IV) at Lima.
	16	05 26 14.2•	24.371 N	121.873 E	33 N	4.2		1.4	14	TAIWAN
	16	05 29 25.8?	47.50 N	1.81 W	10 G			0.8	5	FRANCE. ML 2.5 (LDG).
	16	06 56 54.5•	61.464 S	153.660 E	10 G	4.9 5.0		1.5	21	BALLENY ISLANDS REGION
	16	07 07 24.6	23.880 N	121.885 E	33 N	4.9		1.3	53	TAIWAN
	16	09 07 49.3?	4.73 S	153.58 E	84 •	3.5		0.3	6	NEW IRELAND REGION
	16	09 43 06.1?	39.99 N	23.92 E	10 G			1.5	8	AEGEAN SEA
	16	10 52 15.7	29.821 S	68.237 W	33 N			0.9	16	SAN JUAN PROVINCE, ARGENTINA
	16	11 49 47.0?	17.75 S	178.96 W	574 •	4.4		0.6	10	FIJI ISLANDS REGION
	16	12 55 08.2?	51.50 N	3.56 E	10 G			0.8	5	POLAND. ML 3.4 (VKA).
	16	13 13 57.6	23.819 N	121.787 E	33 N	5.0		1.2	101	TAIWAN
	16	13 31 11.2•	23.872 N	121.781 E	33 N	4.5		1.3	46	TAIWAN
	16	14 15 07.5•	24.136 N	121.867 E	33 N	4.0		1.5	15	TAIWAN
	16	14 42 15.9	41.975 N	19.546 E	10 G			0.4	9	ALBANIA. ML 2.4 (TTG).
	16	15 53 04.9•	39.369 N	23.844 E	10 G			1.5	11	AEGEAN SEA. ML 2.9 (ATH).
	16	17 46 59.4	23.694 N	121.591 E	33 N	4.5		1.2	36	TAIWAN
	16	18 24 32.0	27.325 N	129.229 E	29 D	5.0 4.6		1.2	75	RYUKYU ISLANDS. Felt (II JMA) at Naze.
	16	19 26 23.4•	3.295 N	124.226 E	350 •	4.5		1.3	19	CELEBES SEA
	16	20 51 46.8	39.232 N	120.431 W	5 G			1.0	13	NORTHERN CALIFORNIA. ML 2.9 (BRK).
	16	20 56 23.0	22.831 N	121.349 E	33 N	4.4		1.3	33	TAIWAN REGION
	16	21 30 47.5	23.674 N	121.822 E	33 N	4.1		1.3	28	TAIWAN
	16	22 10 38.4•	37.369 N	23.327 E	33 N			1.2	8	SOUTHERN GREECE. ML 3.2 (ATH).
	16	22 53 28.2?	39.34 N	28.95 E	10 G			0.8	5	TURKEY
o	17	00 33 33.5	14.641 S	166.532 E	37 •	5.0 4.0		1.4	81	VANUATU ISLANDS
	17	00 58 54.1•	58.468 N	19.072 E	10 G			1.2	6	POLAND. ML 2.6 (VKA).
	17	01 05 34.9&	60.581 N	150.448 W	47				32	KENAI PENINSULA, ALASKA. <AGS-P>.
	17	02 06 06.9?	33.22 S	71.85 W	33 N			1.3	11	NEAR COAST OF CENTRAL CHILE
	17	02 21 17.9•	23.837 N	121.709 E	33 N	4.0		1.6	12	TAIWAN
	17	02 52 06.5&	61.598 N	151.829 W	93				24	SOUTHERN ALASKA. <AGS-P>.
	17	03 06 11.6?	6.58 S	147.63 E	80 •	3.2		1.4	7	EAST PAPUA NEW GUINEA REGION
	17	03 17 48.6?	43.26 N	0.21 W	10 G			0.4	5	PYRENEES. ML 2.8 (LDG).
	17	04 17 27.1%	39.420 N	28.394 E	10 G			0.6	10	TURKEY
	17	04 26 43.9•	28.400 N	142.417 E	33 N	5.2		1.3	14	BONIN ISLANDS REGION
	17	05 06 29.2•	11.578 N	142.335 E	34 •	4.8		0.8	12	SOUTH OF MARIANA ISLANDS
	17	05 50 51.1&	58.927 N	152.986 W	75				16	KODIAK ISLAND REGION. <AGS-P>.
	17	08 19 40.0	41.973 N	19.537 E	10 G			0.7	10	ALBANIA. ML 2.4 (TTG).
	17	08 34 13.3	43.156 N	110.812 W	5 G			0.8	28	WYOMING. ML 3.9 (NEIS). Felt (III) at Alpine, Wyoming and Palisades, Idaho.
	17	08 40 32.5	35.235 N	110.993 E	33 N			1.4	9	EASTERN CHINA. MG 4.2 (BJI).
	17	09 06 27.3	43.157 N	110.798 W	5 G			0.6	16	WYOMING. ML 3.7 (NEIS).
	17	09 38 19.9•	34.953 N	110.952 E	10 G	4.5		1.1	7	EASTERN CHINA
	17	10 14 58.4	3.154 S	128.182 E	38 •	4.9 4.8		1.3	51	CERAM
	17	10 24 40.0?	3.01 S	128.19 E	33 N	4.4		1.1	9	CERAM
	17	11 21 15.6	23.756 N	121.595 E	33 N	4.9		1.3	42	TAIWAN
	17	12 36 23.5•	10.432 N	62.994 W	10 G			0.9	7	NEAR COAST OF VENEZUELA
	17	12 40 22.4	37.571 N	118.415 W	5 G			0.8	14	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (NEIS).
	17	13 08 42.4?	42.96 N	6.16 E	10 G			0.5	5	WESTERN MEDITERRANEAN SEA. ML 2.4 (LDG).
	17	13 19 47.9•	24.071 N	121.913 E	33 N	4.3		1.3	9	TAIWAN
	17	13 44 07.8?	41.92 N	19.61 E	10 G			1.1	7	ALBANIA. ML 2.3 (TTG).
	17	14 02 10.8•	24.316 N	121.530 E	33 N			1.3	12	TAIWAN
	17	15 25 33.4•	34.892 N	23.102 E	33 N	3.8		1.0	11	CRETE
	17	15 36 16.0	2.928 S	134.528 E	4 ?	4.7 4.0		1.3	30	WEST IRIAN REGION
	17	16 58 06.4%	60.705 N	5.675 E	0 G			1.5	7	SOUTHERN NORWAY. MD 1.5 (BER). Probable explosion.
	17	19 31 19.5	41.846 N	19.576 E	10 G			1.1	12	ALBANIA. MD 3.0 (TTG).
	17	19 44 28.2•	27.193 S	71.383 W	33 N			1.1	8	NEAR COAST OF NORTHERN CHILE
	17	20 34 50.5•	39.131 N	28.959 E	10 G			0.4	5	TURKEY
	17	20 40 14.7•	24.204 N	121.845 E	33 N	4.3		1.3	16	TAIWAN
	17	21 13 55.2	23.978 N	122.083 E	33 N	3.0		1.3	46	TAIWAN REGION
	17	22 51 14.8	9.285 N	126.768 E	62 •	4.9		1.5	42	MINDANAO, PHILIPPINE ISLANDS
	17	23 29 49.2•	8.625 S	78.469 W	91 •	4.7		1.0	24	NEAR COAST OF NORTHERN PERU. Felt (IV) at Chimbote; (II) at Cosma and Trujillo.
	17	23 46 14.5•	9.328 N	126.790 E	33 N	4.7		1.1	9	MINDANAO, PHILIPPINE ISLANDS
	17	23 55 58.5•	27.884 S	72.394 W	33 N			1.3	13	OFF COAST OF NORTHERN CHILE
	18	00 12 01.8?	50.21 N	19.15 E	10 G			1.7	5	POLAND. ML 3.0 (KRA), 3.0 (KBA).
	18	00 18 47.0•	2.531 S	102.326 E	50 •	4.7		1.1	16	SOUTHERN SUMATERA
	18	00 31 28.7•	36.303 S	70.285 W	196 •	4.3		0.7	17	CHILE-ARGENTINA BORDER REGION
	18	01 42 58.6	24.147 N	122.253 E	33 N	4.8		1.2	26	TAIWAN REGION
	18	02 23 34.3•	7.095 S	127.304 E	378 •	5.2		1.5	12	BANDA SEA
	18	02 50 52.3	24.170 N	121.863 E	33 N	4.1		1.3	21	TAIWAN
	18	04 06 24.2•	32.428 S	71.669 W	33 N			1.0	14	NEAR COAST OF CENTRAL CHILE
	18	06 11 44.8•	5.257 S	151.309 E	124 •	3.7		1.2	6	NEW BRITAIN REGION
	18	06 27 51.7	63.191 N	150.448 W	141 ?			0.2	7	CENTRAL ALASKA
	18	06 45 26.0•	3.918 N	98.527 E	186 •	4.6		1.0	11	NORTHERN SUMATERA
	18	08 49 13.9	24.008 N	121.787 E	33 N	5.1 5.2		1.2	116	TAIWAN
	18	10 15 55.3•	36.304 S	177.883 E	280	5.1		1.3	25	OFF E. COAST OF N. ISLAND, N.Z.
	18	10 52 36.7	39.442 N	28.371 E	10 G			1.3	10	TURKEY
	18	11 33 43.4•	15.036 N	60.384 W	31			0.5	9	LEEWARD ISLANDS. ML 2.8 (FDF).
o	18	12 02 27.8	57.933 S	25.392 W	67 D	5.6		0.9	66	SOUTH SANDWICH ISLANDS REGION
	18	12 14 24.3•	17.583 S	179.098 W	568	4.7		0.9	34	FIJI ISLANDS REGION
	18	13 27 08.9•	40.858 N	77.561 E	33 N	4.7		0.8	8	KIRGHIZ-XINJIANG BORDER REGION
	18	13 45 55.8&	37.525 N	121.692 W	6				14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	18	14 07 10.9&	36.215 N	120.830 W	7				12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	18	14 10 15.4•	24.214 N	121.693 E	33 N			1.5	12	TAIWAN
	18	14 49 11.7	42.012 N	19.534 E	10 G			1.1	15	YUGOSLAVIA. MD 3.2 (TTG).

	18	14	54	39.5	41.950	N	19.523	E	9			0.8	15	ALBANIA. ML 2.9 (TTG).
	18	15	31	07.8	23.937	N	122.112	E	35	N	4.8	1.2	51	TAIWAN REGION
	18	15	38	20.2*	11.028	N	126.187	E	57	*		1.3	16	PHILIPPINE ISLANDS REGION
	18	16	11	00.0*	37.135	N	22.170	E	33	N	4.2	1.2	14	SOUTHERN GREECE. ML 3.6 (ATH).
	18	18	39	31.7	32.324	S	68.623	W	139	*		0.5	16	MENDOZA PROVINCE, ARGENTINA. Felt (II) in the Mendoza area.
	18	19	01	46.5	38.821	N	122.825	W	10	G		1.0	14	NORTHERN CALIFORNIA. ML 2.8 (BRK).
	18	19	03	48.7	43.230	N	26.040	E	10	G		1.2	7	BULGARIA
	18	19	51	39.5	6.742	N	72.998	W	166		4.8	1.2	36	NORTHERN COLOMBIA. Felt at Bogota, Bucaramanga and Cucuta.
	18	20	51	04.1	39.385	N	28.489	E	10	G		0.8	14	TURKEY
	18	20	59	05.8	39.483	N	28.338	E	8			1.0	8	TURKEY
	18	21	30	08.6?	34.88	N	22.21	E	33	N		1.3	11	MEDITERRANEAN SEA. ML 3.2 (ATH).
	18	22	21	40.8*	31.376	S	69.425	W	132	*		0.9	14	SAN JUAN PROVINCE, ARGENTINA
	18	22	37	20.5	39.561	N	28.449	E	10	G		0.4	6	TURKEY
a	18	22	48	27.6	24.113	S	179.956	E	511		5.4	1.1	130	SOUTH OF FIJI ISLANDS
	19	00	06	50.2	29.746	N	131.398	E	33	N	4.7	0.8	26	RYUKYU ISLANDS REGION
a	19	00	35	17.4	29.969	N	131.857	E	33	N	5.1 5.0	1.3	87	RYUKYU ISLANDS REGION
	19	00	49	36.1	23.917	N	121.877	E	33	N	4.3	1.4	28	TAIWAN
	19	01	14	53.0*	1.579	S	77.416	W	202	*	4.7	1.1	13	ECUADOR
	19	01	22	20.8?	53.10	N	4.43	W	20	G		0.2	9	UNITED KINGDOM. ML 2.2 (BGS). Felt throughout the Lleyn Peninsula area.
	19	01	39	29.1	44.249	N	11.355	E	10	G	3.9	1.2	28	NORTHERN ITALY. ML 3.3 (LDG), MD 3.2 (TRI).
	19	01	39	33.9*	45.447	N	26.422	E	155	?		0.9	7	ROMANIA
	19	01	48	09.9*	6.198	S	76.526	W	33	N	4.9	1.3	8	NORTHERN PERU
	19	02	11	44.7	39.387	N	28.910	E	10	G		0.5	7	TURKEY
	19	02	15	47.3*	36.382	N	70.792	E	112	?	4.8	1.5	12	HINDU KUSH REGION
	19	02	42	22.2*	52.370	N	170.727	W	33	N		0.2	5	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
	19	03	26	52.9	24.028	N	121.890	E	33	N	4.9	1.3	66	TAIWAN
a	19	04	53	31.9	27.221	S	176.449	W	33	N	5.3 5.2	1.2	82	KERMADEC ISLANDS REGION
	19	04	56	00.5&	32.060	N	117.810	W	6	G			10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	19	06	00	43.7&	60.659	N	151.910	W	92				29	KENAI PENINSULA, ALASKA. <AGS-P>.
	19	06	21	36.9	27.252	S	176.364	W	33	N	5.2 5.0	1.0	45	KERMADEC ISLANDS REGION
a	19	08	28	32.9	0.278	N	169.752	E	33	N	5.3 4.8	1.0	79	GILBERT ISLANDS REGION
	19	09	22	11.3	23.961	S	179.822	W	518		5.5	1.1	144	SOUTH OF FIJI ISLANDS
	19	09	27	36.6	23.038	S	69.052	W	157	*		1.1	18	NORTHERN CHILE
a	19	11	52	37.1	19.550	S	167.690	E	34	D	5.3 4.7	1.3	86	VANUATU ISLANDS REGION
	19	12	03	34.7*	19.309	S	167.510	E	33	N	4.4	1.4	10	VANUATU ISLANDS REGION
	19	13	13	24.0	40.740	N	27.467	E	10	G		1.2	8	TURKEY
a	19	14	09	46.3	27.135	S	176.507	W	33	N	5.2 5.2	1.2	63	KERMADEC ISLANDS REGION
	19	14	40	01.8*	26.831	S	26.565	E	5	G		1.4	7	REPUBLIC OF SOUTH AFRICA
	19	15	22	10.3*	38.909	N	27.759	E	10	G		1.3	8	TURKEY
	19	15	37	57.1	60.874	N	6.703	E	10	G		0.4	6	SOUTHERN NORWAY. MD 1.6 (BER).
	19	15	38	42.5	57.561	N	150.529	W	33	N		0.6	34	GULF OF ALASKA. ML 3.6 (PMR).
	19	16	19	08.2&	40.413	N	124.940	W	19		4.2		21	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK). Felt (II) at Rio Dell.
	19	17	01	50.5	60.728	N	5.555	E	10	G		0.5	6	SOUTHERN NORWAY. MD 1.7 (BER).
a	19	17	11	55.3	18.889	S	168.887	E	40		5.3 5.0	1.3	129	VANUATU ISLANDS
	19	17	48	37.2*	37.603	N	118.436	W	5	G		1.0	7	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (PAS).
	19	17	48	09.8*	17.249	S	69.883	W	149	*		1.5	9	PERU-BOLIVIA BORDER REGION
	19	19	00	11.4?	51.04	N	176.00	W	33	N		1.7	6	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
	19	19	13	33.0	40.222	N	23.355	E	10	G		0.5	10	GREECE
	19	19	28	21.2*	23.977	N	121.762	E	33	N	4.1	1.3	11	TAIWAN
	19	20	42	30.1&	62.008	N	150.910	W	65				25	CENTRAL ALASKA. <AGS-P>.
	19	20	50	46.9%	26.796	S	175.834	W	33	N	4.9	1.6	11	SOUTH OF TONGA ISLANDS
	19	22	16	31.9*	27.471	N	66.125	E	33	N	4.7	1.5	5	PAKISTAN
	19	22	32	30.3	38.889	N	27.758	E	10	G		1.0	14	TURKEY
	19	23	36	05.8	35.111	N	23.909	E	39	*	4.4 3.7	1.4	89	CRETE. ML 4.2 (ATH).
	20	01	28	07.6	24.096	N	121.813	E	33	N	4.3	1.0	23	TAIWAN
	20	01	56	22.1?	16.51	N	59.89	W	33	N		0.3	9	LEEWARD ISLANDS. ML 3.5 (FDF).
	20	02	10	54.4	35.079	N	23.924	E	35	?	3.7	1.5	27	CRETE. ML 4.0 (ATH).
	20	02	36	24.1*	21.035	S	68.840	W	33	N		1.5	12	CHILE-BOLIVIA BORDER REGION
	20	02	40	25.6	42.042	N	84.394	E	50	*	4.6	1.1	25	NORTHERN XINJIANG, CHINA
	20	02	51	02.4?	39.27	N	28.93	E	10	G		1.0	6	TURKEY
	20	04	57	11.3*	15.069	N	93.938	W	59	*	4.6 3.5	1.0	35	NEAR COAST OF CHIAPAS, MEXICO
	20	07	34	40.2	17.043	N	62.157	W	106		4.6	0.6	28	LEEWARD ISLANDS
	20	07	38	36.2&	62.108	N	150.848	W	65				30	CENTRAL ALASKA. <AGS-P>.
	20	10	09	07.8	29.869	N	51.585	E	16	*	4.9	1.0	101	SOUTHERN IRAN
	20	11	05	26.4*	34.841	N	45.359	E	67	*	4.5	1.1	10	IRAN-IRAQ BORDER REGION
	20	11	13	45.0	34.730	N	140.822	E	60		5.0	1.3	88	NEAR EAST COAST OF HONSHU, JAPAN. Felt (1 JMA) at Tateyama and Ajiro.
	20	12	31	47.5	32.582	N	93.012	E	33	N	5.0	1.1	89	TIBET
	20	12	39	31.6*	37.483	N	20.020	E	10	G	4.3	1.2	15	IONIAN SEA. ML 3.7 (ATH).
	20	12	47	43.9&	58.658	N	136.282	W	15				15	SOUTHEASTERN ALASKA. <AGS-P>.
	20	13	04	15.2	32.651	N	93.118	E	33	N	5.1	1.1	99	TIBET
	20	13	08	07.2%	60.200	N	5.484	E	8	G		0.7	7	SOUTHERN NORWAY. MD 1.6 (BER). Probable explosion.
a	20	13	14	24.9	16.265	S	167.549	E	60	*	5.7	1.3	159	VANUATU ISLANDS
	20	14	19	38.3*	27.265	S	176.569	W	33	N	4.6 4.9	1.3	13	KERMADEC ISLANDS REGION
	20	14	38	25.1?	28.05	S	176.39	W	33	N	4.3	0.7	5	KERMADEC ISLANDS REGION
	20	14	32	10.2?	58.63	N	6.20	E	10	G		0.5	7	SOUTHERN NORWAY. MD 1.9 (BER).
	20	15	00	29.1	48.164	N	27.747	W	10	G	4.7 4.5	1.1	88	NORTH ATLANTIC RIDGE
	20	17	27	15.0	37.551	N	20.469	E	45	*	4.4	0.8	27	IONIAN SEA
	20	18	30	40.1	39.856	N	23.980	E	8			0.9	23	AEGEAN SEA. ML 3.4 (ATH).
	20	18	59	44.2?	3.47	S	101.56	E	33	N	4.2	1.7	6	SOUTHERN SUMATERA
	20	19	54	05.6	55.892	S	27.338	W	90	D	5.6	1.0	21	SOUTH SANDWICH ISLANDS REGION
	20	20	08	01.6	29.983	N	51.643	E	32		5.2 4.1	0.9	195	SOUTHERN IRAN
	20	21	40	49.7	35.213	N	111.113	E	10	G	4.4	1.1	17	EASTERN CHINA
	20	22	05	41.6*	18.874	N	121.628	E	33	N	4.1	1.0	7	LUZON, PHILIPPINE ISLANDS
	20	22	39	30.1%	35.300	N	110.870	E	10	G		1.4	9	EASTERN CHINA. MG 3.3 (BJI).
	20	22	49	42.3*	10.070	S	120.661	E	33	N	4.3	1.3	7	SUMBA ISLAND REGION
	20	23	04	06.9	42.985	N	18.188	E	10	G	3.0	1.5	31	YUGOSLAVIA. MD 4.1 (TRI), ML 3.5 (TTG). Felt (IV) at Bileca and (III) at Dubrovnik.
	21	00	41	58.9	30.718	S	71.418	W	78	*	4.3	1.0	22	NEAR COAST OF CENTRAL CHILE

21	00 50 36.1?	3.43	S	134.48	E	33 N	4.4		1.4	8	WEST IRIAN REGION
21	02 13 50.4&	32.490	N	119.530	W	6 G				9	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
21	02 28 48.6?	9.93	S	150.52	E	33 N	3.5		1.4	6	EAST PAPUA NEW GUINEA REGION
21	02 34 24.7?	22.05	S	179.96	E	584 ?	4.6		1.4	10	SOUTH OF FIJI ISLANDS
21	02 41 24.7•	23.535	S	175.939	W	33 N	4.8		0.9	14	TONGA ISLANDS REGION
21	02 50 40.8	38.937	N	25.683	E	10 G			1.1	13	AEGEAN SEA. ML 3.4 (ATH).
21	03 37 25.6	19.171	N	73.255	W	10 G	4.2		1.0	13	HAITI REGION
21	04 43 55.3•	15.862	S	179.915	E	13			1.2	13	FIJI ISLANDS
21	05 19 13.9?	16.24	S	75.33	W	33 N			1.4	11	OFF COAST OF PERU
21	05 57 37.9?	6.59	S	149.50	E	33 N	4.2		1.4	7	NEW BRITAIN REGION
21	06 07 40.4?	8.43	S	129.76	E	191 ?	3.8		0.7	5	TIMOR SEA
21	06 49 07.3?	59.46	S	148.09	E	10 G	4.5	4.6	0.8	8	WEST OF MACQUARIE ISLAND
21	07 31 39.1?	34.70	N	139.25	E	10 G			1.6	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Toteyama.
21	07 41 44.3	34.622	N	139.382	E	10 G	4.3		0.8	14	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Ajiro and (I JMA) at Yokohama.
21	08 07 14.9•	34.641	N	139.332	E	10 G			1.3	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Yokohama.
21	08 08 42.6%	40.904	N	28.669	E	10 G			0.7	5	TURKEY
21	08 09 04.1	34.748	N	139.492	E	10 G	4.4		1.3	26	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Ajiro, Toteyama and Yokohama; (I JMA) at Kumagaya.
21	08 09 46.0	34.560	N	139.368	E	10 G	5.0	5.1	1.1	36	NEAR S. COAST OF HONSHU, JAPAN
21	08 12 40.7	34.896	N	139.325	E	10 G	5.0		1.2	46	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Tokyo.
21	08 27 21.4	34.628	N	139.206	E	10 G	4.5		1.1	20	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Toteyama and (I JMA) at Ajiro, Tokyo and Yokohama.
21	08 55 22.6	34.676	N	139.244	E	10 G	4.1		0.4	8	NEAR S. COAST OF HONSHU, JAPAN
21	09 02 23.2	39.431	N	28.357	E	10 G			0.8	8	TURKEY
21	09 04 34.2	27.662	N	66.625	E	33 N	4.8		0.6	41	PAKISTAN. Felt at Khuzdar.
21	09 32 58.3•	34.544	N	139.272	E	10 G	4.1		0.7	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
21	09 45 26.0•	34.915	N	139.335	E	10 G			0.9	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
21	09 55 02.2•	42.082	N	24.531	E	10 G			0.5	5	BULGARIA
21	10 04 00.1•	34.613	N	139.356	E	10 G	4.2		0.7	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro and Yokohama.
21	10 30 28.2	34.670	N	139.328	E	10 G	4.4		1.3	14	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Yokohama and (I JMA) at Ajiro.
21	10 38 12.5•	34.474	N	139.316	E	10 G	4.7		1.2	8	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
21	11 13 54.3•	41.906	N	20.317	E	10 G			0.6	8	ALBANIA. ML 2.3 (TTG).
21	11 17 44.6	34.686	N	139.242	E	10 G	4.1		1.3	10	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Toteyama and Yokohama.
21	11 42 07.7	34.569	N	139.389	E	10 G	4.1		0.7	9	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Toteyama and (I JMA) at Tokyo and Yokohama.
21	12 13 18.8•	37.984	N	106.334	E	33 N	4.1		1.2	7	NORTHERN CHINA
21	12 56 28.3•	9.304	S	123.355	E	137 •	4.7		1.3	16	TIMOR
21	12 59 13.8•	14.841	S	174.012	W	33 N	4.6		1.0	8	SAMOA ISLANDS REGION
21	14 34 50.2•	34.845	N	139.016	E	10 G	4.0		1.0	5	NEAR S. COAST OF HONSHU, JAPAN
21	14 08 42.8•	34.567	N	139.287	E	10 G	3.9		0.7	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Toteyama.
21	14 09 58.6	48.013	N	7.100	E	10 G			0.3	6	FRANCE. ML 2.1 (LDG).
21	15 47 39.9?	8.75	S	159.86	E	33 N	3.5		0.2	5	SOLOMON ISLANDS
21	16 07 10.9•	3.655	S	144.638	E	33 N	3.7		1.2	8	NEAR N COAST OF PAPUA NEW GUINEA
21	16 19 02.5•	34.644	N	139.311	E	8 •	4.6		0.8	9	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
21	16 24 51.3	26.209	S	72.529	W	10 G	5.2		1.2	23	OFF COAST OF NORTHERN CHILE
21	17 00 04.8•	7.111	S	106.516	E	118 ?	4.1		0.5	6	JAVA
21	17 18 29.1?	7.15	S	122.75	E	572 ?	4.6		0.6	8	FLORES SEA
21	19 52 53.8?	4.39	S	132.00	E	33 N	4.3		1.3	5	WEST IRIAN REGION
21	21 44 03.6•	14.812	S	167.587	E	122 ?	4.3		0.9	15	VANUATU ISLANDS
21	22 05 33.3•	34.953	N	139.285	E	10 G			1.2	5	NEAR S. COAST OF HONSHU, JAPAN
21	22 59 13.3	34.393	N	139.495	E	10 G	4.4		1.0	19	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Toteyama and (I JMA) at Ajiro.
21	23 13 19.5%	45.154	N	6.034	E	10 G			0.9	8	FRANCE. ML 2.6 (LDG).
21	23 14 42.2•	48.181	N	8.871	W	10 G			0.4	9	FRANCE. ML 3.0 (LDG).
21	23 15 59.5•	24.981	S	69.118	W	144 •			0.5	6	NORTHERN CHILE
21	23 33 01.7&	40.372	N	124.443	W	15		5.3 5.1		167	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 5.1 (BRK). Mo=6.1•10••23 (BRK). Slight damage (VI) at Carlotta, Honeydew, Hydesville, Fortuna, Petrolia, Rio Dell and Scotia. Felt (V) at Arcata, Alderpoint, Blocksburg, Fields Landing, Loleta, Miranda, Phillipsville, Redcrest, Redway and Weott. Felt in Humboldt, Mendocino and Trinity Counties.
21	23 34 18.0&	40.367	N	124.458	W	15 G	5.1			71	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 5.1 (BRK). Mo=4.6•10••23 (BRK). Hypocenter assumed from first event, origin time determined from comparison of available arrival times. Felt at Arcata, Honeydew, Kneeland, Miranda, Rio Dell and Samoa.
22	00 05 23.8&	40.468	N	124.573	W	19				8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK).
22	00 17 59.2?	34.82	N	139.25	E	18 G			0.5	4	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
22	00 41 21.0	34.483	N	139.487	E	18 G	4.5		0.9	20	NEAR S. COAST OF HONSHU, JAPAN
o 22	00 41 42.9	34.438	N	139.528	E	9	5.8	5.8	1.1	288	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) on Oshima and Miyake-jima and at Toteyama; (III JMA) at Ajiro, Kofu, Tokyo, and Yokohama; (II JMA) at Chiba, Mito, Shizuoka and Utsunomiya; (I JMA) at Nagano and Sendai and on Hachijo-jima. Eruption of Mt. Mihara.
22	00 57 51.9&	40.463	N	124.512	W	17 G				5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
22	01 29 56.2&	40.372	N	124.532	W	15				6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
22	02 27 51.6	38.811	N	122.376	W	5 G			1.1	9	NORTHERN CALIFORNIA. ML 2.6 (BRK).
22	02 46 48.4•	34.709	N	139.288	E	10 G			0.5	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Toteyama.
22	03 17 59.1&	40.378	N	124.422	W	18				18	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.8 (BRK). Mo=1.5•10••22 (BRK).
22	03 27 03.6?	33.05	S	71.49	W	33 N			1.5	9	NEAR COAST OF CENTRAL CHILE
22	03 50 02.7	5.065	S	153.716	E	87	5.0		1.0	57	NEW IRELAND REGION
22	04 30 47.1%	16.917	N	60.998	W	30 •			0.2	7	LEEWARD ISLANDS. ML 3.0 (FDF).
22	06 14 03.3	56.140	S	27.142	W	151 ?	5.1		1.0	33	SOUTH SANDWICH ISLANDS REGION

	22	08	44	09.0?	31.31	S	68.39	W	113 ?			1.6	5	SAN JUAN PROVINCE, ARGENTINA
	22	08	04	44.7?	14.73	S	170.01	E	649 ?		3.8	0.9	10	VANUATU ISLANDS REGION
	22	08	42	23.0&	40.217	N	23.340	E	10 G			0.5	8	GREECE
	22	09	52	39.1&	44.127	N	5.981	E	10 G			0.3	6	FRANCE. ML 2.9 (LDG).
	22	10	50	59.2?	34.74	N	139.27	E	10 G			0.9	5	NEAR S. COAST OF HONSHU, JAPAN
	22	11	39	28.2•	7.223	S	108.457	E	145 •		4.3	0.6	13	JAVA
	22	13	07	05.4•	25.170	N	94.774	E	86 ?		4.5	1.0	10	BURMA-INDIA BORDER REGION
	22	13	19	09.4•	34.479	N	139.396	E	10 G		4.0	0.6	6	NEAR S. COAST OF HONSHU, JAPAN
	22	13	48	12.5&	39.071	N	27.627	E	10 G			0.5	5	TURKEY
	22	13	58	02.7?	6.43	S	146.67	E	79 ?		3.5	0.7	6	EAST PAPUA NEW GUINEA REGION
	22	14	03	44.9&	16.184	N	61.535	W	33 N			1.2	5	LEEWARD ISLANDS. ML 4.7 (FDF).
	22	14	11	38.5?	39.93	N	24.86	E	10 G			1.0	5	AEGEAN SEA
	22	14	12	15.3?	5.84	S	147.03	E	187 •		4.3	1.0	8	EAST PAPUA NEW GUINEA REGION
	22	14	55	23.9	36.430	N	71.123	E	102 •		4.8	1.2	17	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog, USSR.
	22	15	00	27.9	0.014	S	79.854	W	33 N		4.9 4.2	1.2	37	ECUADOR
o	22	15	33	15.5	3.105	S	139.875	E	12		5.2 5.0	1.2	85	WEST IRIAN
	22	16	28	45.8	40.194	N	25.125	E	10 G			1.0	20	AEGEAN SEA. ML 3.7 (ATH).
	22	17	08	38.1	15.268	S	167.354	E	158		5.8	1.2	173	VANUATU ISLANDS
	22	17	41	50.1	62.988	N	151.359	W	33 N			0.7	8	CENTRAL ALASKA. ML 3.3 (PMR).
	22	17	49	08.5	40.214	N	25.185	E	14			0.7	21	AEGEAN SEA. ML 3.8 (ATH).
	22	18	04	36.8•	24.518	N	98.609	E	33 N		3.9	1.3	7	BURMA-CHINA BORDER REGION
	22	18	36	57.3&	36.120	N	119.970	W	6 G				12	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.2 (BRK).
	22	18	45	59.0•	23.418	S	179.922	E	569 ?		4.7	1.0	14	SOUTH OF FIJI ISLANDS
	22	19	17	23.2•	39.124	N	27.777	E	10 G			1.2	5	TURKEY
	22	20	59	56.0	32.192	N	94.590	E	33 N		5.0	1.3	50	TIBET
	22	21	07	58.5•	23.792	S	66.659	W	221			1.2	13	JºIJUY PROVINCE, ARGENTINA
	22	22	11	23.8&	60.227	N	153.230	W	133				14	SOUTHERN ALASKA. <AGS-P>.
	22	22	17	14.4&	60.131	N	153.106	W	115				18	SOUTHERN ALASKA. <AGS-P>.
	22	22	31	25.2	36.112	N	119.945	W	5 G			0.7	9	CENTRAL CALIFORNIA. ML 2.6 (BRK).
	22	22	40	06.7•	38.040	N	20.014	E	10 G			1.3	12	GREECE. ML 3.7 (ATH).
	22	22	40	28.1	34.596	N	139.243	E	10 G			0.8	10	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro, Mishima and Tateyama.
	22	23	13	24.9•	38.504	N	25.056	E	10 G			1.4	5	AEGEAN SEA. ML 3.1 (ATH).
	22	23	14	01.0?	4.93	S	101.84	E	33 N			1.4	11	SOUTHERN SUMATERA
	22	23	17	09.8•	39.465	N	28.963	E	10 G			1.0	5	TURKEY
	23	00	14	57.8•	37.125	N	30.618	E	10 G			0.8	7	TURKEY
	23	01	21	48.2&	40.370	N	124.528	W	17				9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK).
f	23	01	39	23.9	3.342	S	77.411	W	106 G		6.4	0.9	392	PERU-ECUADOR BORDER REGION. Felt (IV) at Chachapoyas, Chiclayo and Piura, Peru. Felt in large parts of northern Peru and as far south as Huancayo and Mala. Also felt at Guayaquil, Ecuador and Cali, Colombia. Depth from broadband displacement seismograms.
	23	02	08	55.9&	34.100	N	120.850	W	6 G				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	23	02	49	01.4	64.658	N	17.318	W	10 G		5.2	1.1	147	ICELAND
	23	02	50	11.0	39.409	N	28.289	E	10 G			0.9	7	TURKEY
	23	03	30	32.2•	73.737	N	9.076	E	10 G		4.7	1.0	12	GREENLAND SEA
	23	03	39	07.8?	22.25	S	179.51	E	618 ?		4.7	0.8	10	SOUTH OF FIJI ISLANDS
	23	03	39	08.2•	34.532	N	139.422	E	10 G			0.5	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Tateyama and (I JMA) at Ajiro and Yokohama.
	23	04	28	04.1	44.833	N	6.660	E	8			0.5	34	FRANCE. ML 3.4 (LDG).
	23	04	34	33.2	43.094	N	25.942	E	10 G			1.0	9	BULGARIA
	23	04	52	42.8•	33.546	S	72.458	W	33 N			0.8	15	OFF COAST OF CENTRAL CHILE
	23	05	11	02.8?	40.55	N	30.48	E	10 G			1.1	5	TURKEY
	23	05	41	06.9&	40.375	N	124.482	W	18		4.0		24	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 4.1 (BRK). Mo=3.1•18••22 (BRK). Felt (III) at Rio Dell.
	23	06	04	04.5	10.301	S	161.403	E	93		4.5	1.0	28	SOLOMON ISLANDS
	23	06	12	48.6&	40.656	N	22.375	E	10 G			0.6	5	GREECE
	23	06	38	21.1?	17.08	N	84.85	W	10 G		4.6	0.5	10	CARIBBEAN SEA
	23	07	13	42.6&	16.802	N	61.730	W	33 N			1.2	7	LEEWARD ISLANDS. ML 3.0 (FDF).
	23	09	13	37.7&	40.405	N	124.335	W	18				9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	23	11	48	24.1?	7.03	S	125.20	E	527 ?		4.7	1.4	11	BANDA SEA
	23	13	48	20.6•	36.346	N	21.932	E	33 N			1.0	11	SOUTHERN GREECE. ML 3.9 (ATH).
	23	14	21	59.1	5.829	S	128.832	E	277 •		5.1	0.9	47	BANDA SEA
	23	16	00	42.5•	40.264	N	124.367	W	10 G			0.6	7	NEAR COAST OF NORTHERN CALIF. ML 2.9 (BRK).
	23	16	30	05.3•	0.247	S	78.481	W	33 N		5.3	1.2	6	ECUADOR
	23	16	46	08.3?	42.80	N	143.17	E	133 •		4.2	1.0	7	HOKKAIDO, JAPAN REGION
	23	16	54	38.4	32.045	S	70.303	W	106		5.1	0.9	80	CHILE-ARGENTINA BORDER REGION. Felt (II) at Santiago, Chile.
	23	17	32	39.5	13.176	S	167.185	E	192 D		5.0	1.0	75	VANUATU ISLANDS
	23	17	35	24.4•	22.703	S	66.491	W	215 •			0.7	8	JUJUY PROVINCE, ARGENTINA
	23	18	56	38.8?	23.44	S	179.54	W	592 •		4.7	0.8	13	SOUTH OF FIJI ISLANDS
	23	18	59	35.4•	46.174	N	10.864	E	10 G			1.4	10	NORTHERN ITALY. ML 2.5 (KBA).
	23	19	09	28.1•	3.745	S	122.065	E	33 N		4.9	1.5	14	SULAWESI
	23	19	34	03.4&	61.394	N	150.374	W	47				29	SOUTHERN ALASKA. <AGS-P>.
	23	21	29	38.8&	40.956	N	74.820	W	7				9	NEW JERSEY. <PAL-P>. CL 2.8 (PAL). Felt in parts of Sussex and Warren Counties.
	23	22	13	52.1•	33.306	S	70.983	W	76 ?			0.1	9	CHILE-ARGENTINA BORDER REGION
	23	23	25	42.4	34.469	N	139.458	E	10 G		4.0	0.6	9	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Tateyama and (I JMA) at Ajiro.
	24	00	45	11.8•	34.512	N	139.426	E	10 G		4.2	1.0	7	NEAR S. COAST OF HONSHU, JAPAN
	24	01	14	15.8?	61.49	N	4.09	E	10 G			1.4	6	SOUTHERN NORWAY. MD 2.3 (BER).
	24	03	29	24.6•	23.890	N	122.748	E	33 N		4.3	1.1	15	TAIWAN REGION
	24	04	06	15.1•	24.514	N	123.501	E	26 •		4.7	0.8	8	SOUTHWESTERN RYUKYU ISLANDS
	24	04	31	09.7•	41.696	N	19.477	E	10 G			1.4	11	ALBANIA. ML 2.8 (TTG).
	24	04	31	48.6&	36.120	N	119.950	W	6 G				16	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.2 (BRK).
	24	04	39	52.8•	23.915	N	121.892	E	30 •		4.3	1.5	20	TAIWAN
	24	06	31	50.1	44.650	N	111.086	W	5 G			0.6	8	HEBGEN LAKE REGION. ML 3.2 (NEIS). Felt (IV) at Madison Junction and (II) at Old Faithful, Yellowstone National Park. Felt (III) at West Yellowstone, Montana.
	24	08	08	05.8?	6.76	S	105.56	E	33 N		4.2	0.5	7	SUNDA STRAIT
	24	09	18	28.8?	40.50	N	32.39	E	10 ?			1.0	5	TURKEY
	24	09	50	30.4	18.391	N	63.320	W	81 ?		4.8	0.5	11	LEEWARD ISLANDS. Felt on St. Barthelemy.

	24	10	25	34.4•	13.796	N	144.883	E	125		4.7		1.2	31	MARIANA ISLANDS. Felt (III) on Guam.
	24	11	29	27.3	51.734	N	178.349	E	78	D	5.0		0.9	84	RAT ISLANDS, ALEUTIAN ISLANDS
	24	13	39	12.3•	24.256	N	121.894	E	33	N	3.9		1.4	9	TAIWAN
	24	14	51	53.0•	23.933	N	121.9?2	E	33	N	4.0		1.4	14	TAIWAN
	24	14	57	02.1	14.968	N	94.6??	W	33	N	4.7		0.8	20	OFF COAST OF CHIAPAS, MEXICO
	24	15	08	01.3&	36.597	N	121.2?2	W	4					18	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	24	16	01	02.9	1.814	N	126.609	E	48	•	5.1	3.9	1.1	98	MOLUCCA PASSAGE
	24	16	53	10.7•	6.972	S	106.191	E	86	•	4.6		1.0	14	JAVA
	24	18	15	25.1&	34.370	N	116.380	W	3					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	24	18	27	10.4	41.278	N	22.721	E	10	G			0.1	6	YUGOSLAVIA. ML 1.0 (SKO).
	24	18	33	54.1	41.275	N	22.722	E	10	G			0.3	6	YUGOSLAVIA. ML 1.0 (SKO).
	24	18	48	31.1?	37.54	N	21.42	E	10	G			0.4	5	SOUTHERN GREECE. ML 3.2 (ATH).
	24	19	19	09.7•	5.353	S	153.532	E	59	•	4.3		1.1	9	NEW IRELAND REGION
	24	19	48	05.9%	45.921	N	3.229	E	10	G			0.6	7	FRANCE. ML 1.7 (LDG).
	24	23	35	44.7?	31.19	S	71.85	W	33	N			1.3	12	NEAR COAST OF CENTRAL CHILE
	25	00	58	07.5•	27.243	S	176.668	W	33	N	5.1		1.1	19	KERMADEC ISLANDS REGION
	25	01	23	10.3•	38.437	N	21.906	E	10	G			1.3	7	GREECE. ML 3.2 (ATH).
	25	02	14	06.9?	16.94	N	61.33	W	33	N			0.3	6	LEEWARD ISLANDS. ML 2.6 (FDF).
	25	02	31	46.8?	39.47	N	28.36	E	10	G			1.1	5	TURKEY
	25	02	47	40.4&	59.138	N	153.965	W	119					27	SOUTHERN ALASKA. <AGS-P>.
	25	03	49	44.1•	37.187	N	71.801	E	141	•	4.7		1.2	16	AFGHANISTAN-USSR BORDER REGION
	25	05	01	06.7•	49.047	N	6.713	E	10	G			0.7	6	GERMANY
	25	05	31	22.9•	39.652	N	28.653	E	21	•			0.8	8	TURKEY
	25	06	27	58.2%	39.430	N	28.421	E	10	G			0.9	8	TURKEY
	25	06	44	43.1	34.333	N	139.582	E	10	G	4.2		0.6	9	NEAR S. COAST OF HONSHU, JAPAN
	25	07	09	12.1	34.354	N	139.494	E	10	G	4.1		0.8	9	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama.
	25	08	20	58.5•	6.087	S	145.598	E	89	•	4.6		0.9	7	PAPUA NEW GUINEA
	25	10	49	31.7•	0.278	N	122.198	E	221	?	4.6		0.6	11	MINAHASSA PENINSULA
	25	10	50	23.2%	41.424	N	29.181	E	10	G			0.3	6	TURKEY
	25	10	51	20.0%	41.415	N	29.154	E	10	G			0.3	6	TURKEY
	25	10	52	28.1%	41.469	N	29.142	E	10	G			0.4	5	TURKEY
	25	10	57	38.6	38.880	N	25.646	E	29		4.3		0.7	39	AEGEAN SEA. ML 3.8 (ATH).
	25	11	37	58.8&	60.110	N	152.851	W	91					27	SOUTHERN ALASKA. <AGS-P>.
	25	12	21	18.7•	29.648	S	69.621	W	33	N			1.2	12	CHILE-ARGENTINA BORDER REGION
	25	13	00	04.9•	41.790	N	19.587	E	10	G			1.0	12	ALBANIA. ML 2.5 (TTG).
	25	13	12	45.7?	5.83	S	147.38	E	44	?	3.3		1.1	7	EAST PAPUA NEW GUINEA REGION
	25	13	14	49.7?	61.12	N	9.17	E	10	G			0.4	5	SOUTHERN NORWAY. MD 2.0 (BER).
	25	13	15	57.6	38.968	N	25.716	E	11				1.0	12	AEGEAN SEA. ML 3.2 (ATH).
	25	13	46	35.8?	38.88	N	25.38	E	10	G			1.2	8	AEGEAN SEA. ML 3.1 (ATH).
o	25	13	59	42.3	44.120	N	16.339	E	30		5.3	5.5	1.2	273	YUGOSLAVIA. ML 5.5 (TRI), MD 5.5 (TTG). At least 12 people injured, damage (VIII) and landslides in the Knin-Grahovo area. Felt strongly in many parts of western Yugoslavia. Felt (IV) at Trieste, Udine and Venice, Italy and (III) in the Graz-Klagenfurt area, Austria. Also felt at Naples, Italy.
	25	14	00	49.6•	32.634	S	71.677	W	33				1.1	13	NEAR COAST OF CENTRAL CHILE
	25	14	55	23.7•	44.198	N	16.043	E	10	G			0.8	9	YUGOSLAVIA. ML 3.8 (TRI).
	25	16	44	19.2&	61.408	N	150.371	W	16					37	SOUTHERN ALASKA. <AGS-P>. ML 3.5 (PMR).
	25	16	50	06.3%	46.072	N	3.131	E	10	G			0.5	8	FRANCE. ML 1.6 (LDG).
	25	16	54	59.2&	59.926	N	152.854	W	88					25	SOUTHERN ALASKA. <AGS-P>.
	25	17	34	00.1?	39.54	N	28.47	E	10	G			0.9	6	TURKEY
	25	18	20	12.1	44.260	N	16.253	E	10	G			1.4	16	YUGOSLAVIA. ML 3.4 (TRI), 3.2 (KBA), 3.2 (TTG).
	25	20	36	25.8	39.343	N	28.975	E	10	G			0.8	6	TURKEY
	25	20	45	24.6•	44.651	N	110.984	W	5	G			0.3	6	YELLOWSTONE NATIONAL PARK, WYO. ML 3.5 (NEIS). Felt (IV) at West Yellowstone, Montana. Felt (III) at Madison Junction, Yellowstone National Park.
	26	00	13	10.1&	42.486	N	111.260	W	1					6	EASTERN IDAHO. <SLC-P>. ML 3.5 (SLC).
	26	00	46	30.4?	33.44	S	179.47	W	33	N	4.4		0.9	7	SOUTH OF KERMADEC ISLANDS
	26	00	50	12.5	44.140	N	16.599	E	10	G			1.1	31	YUGOSLAVIA. ML 3.6 (KBA), 3.4 (TRI), 3.4 (TTG).
	26	01	41	07.7	44.108	N	16.287	E	10	G			1.2	26	YUGOSLAVIA. ML 3.7 (TRI), 3.6 (KBA). MD 3.3 (TTG).
	26	01	44	52.2•	13.553	N	120.901	E	144	•	4.0		0.9	13	MINDORO, PHILIPPINE ISLANDS
	26	02	29	02.6•	43.974	N	16.197	E	10	G			0.8	6	YUGOSLAVIA. ML 3.4 (TRI).
	26	03	39	22.8	39.097	N	115.621	W	5	G			0.3	8	NEVADA. ML 3.2 (NEIS).
	26	04	11	20.9•	1.656	N	126.569	E	61	?	4.7		1.4	11	MOLUCCA PASSAGE
	26	04	42	32.4	33.196	N	140.347	E	77		5.2		0.9	76	SOUTH OF HONSHU, JAPAN. Felt (III JMA) on Hachijo-jima and (I JMA) at Tateyama.
	26	06	53	18.4	18.756	N	102.322	W	72	D	4.9		1.3	79	MICHOACAN, MEXICO
	26	07	45	15.3•	24.270	S	67.235	W	192	•			0.8	8	CHILE-ARGENTINA BORDER REGION
	26	08	00	39.3	38.419	N	25.113	E	10	G			0.9	15	AEGEAN SEA. ML 3.4 (ATH).
	26	08	22	15.2&	40.333	N	124.510	W	17					16	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	26	09	24	42.9%	60.702	N	5.620	E	0	G			0.4	5	SOUTHERN NORWAY. MD 1.7 (BER). Probable explosion.
	26	09	49	44.2	24.215	N	121.858	E	33		4.8	4.5	1,2	70	TAIWAN
	26	11	21	06.1•	41.220	N	19.587	E	10	G			0.6	9	ALBANIA. ML 2.7 (TTG).
	26	11	26	29.6•	4.799	S	152.939	E	54	?	4.3		1.4	9	NEW BRITAIN REGION
	26	14	24	55.1?	39.38	N	28.36	E	10	G			0.9	5	TURKEY
	26	14	47	55.7	12.969	N	59.882	W	26				0.6	15	WINDWARD ISLANDS. ML 4.3 (FDF).
	26	15	51	54.1	21.655	N	121.641	E	103	•	4.3		1.0	25	TAIWAN REGION
	26	16	18	53.4•	39.361	N	28.953	E	10	G			1.4	9	TURKEY
	26	18	59	09.0	9.301	N	126.699	E	37	•	4.9	4.0	1.0	22	MINDANAO, PHILIPPINE ISLANDS
	26	19	30	48.3%	16.933	N	61.879	W	10	G			0.9	7	LEEWARD ISLANDS. ML 3.4 (FDF).
	26	20	53	38.6&	34.957	N	97.526	W	5	G				4	OKLAHOMA. <TUL>. mbLg 1.8 (TUL).
	26	21	02	35.0?	45.89	N	3.29	E	10	G			0.5	5	FRANCE. ML 1.5 (LDG).
	26	21	04	43.4&	61.774	N	150.887	W	62					35	SOUTHERN ALASKA. <AGS-P>. Felt (IV) at Skwentna.
	26	22	16	56.5&	35.125	N	97.541	W	5	G				4	OKLAHOMA. <TUL>. mbLg 1.9 (TUL).
	26	22	28	06.2?	41.55	N	16.83	E	10	G			1.0	9	SOUTHERN ITALY
	26	23	08	39.7	35.940	N	30.755	E	66		4.1		0.9	29	EASTERN MEDITERRANEAN SEA
	26	23	34	27.4	31.598	S	69.531	W	127				0.7	15	SAN JUAN PROVINCE, ARGENTINA
	27	00	24	45.9	9.617	S	107.857	E	33	N	4.7		1.0	41	SOUTH OF JAVA
	27	00	30	07.6•	2.478	N	127.585	E	62	•	4.8		1.1	24	MOLUCCA PASSAGE
	27	01	43	49.9•	5.312	S	102.287	E	33	N	4.1		1.1	14	SOUTHERN SUMATERA
o	27	03	28	59.5	42.405	N	144.531	E	46		5.4	4.9	0.9	190	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hiroo, Kushiro and Obihiro; (I JMA) at Urakawa.

	27	05	57	52.7	46.350	N	0.787	W	30			0.6	17	FRANCE. ML 3.3 (LDG).
	27	06	12	15.9&	35.158	N	97.671	W	5	G			3	OKLAHOMA. <TUL>. mbLg 1.8 (TUL).
	27	10	12	22.0•	39.290	N	28.171	E	10	G		1.5	8	TURKEY
	27	10	22	52.0•	18.406	N	145.787	E	160	G	4.5	1.3	27	MARIANA ISLANDS
	27	10	23	25.5•	15.180	N	144.057	E	236	•	5.1	1.4	36	MARIANA ISLANDS REGION
	27	10	29	32.0	21.680	S	69.451	W	53		4.8	1.2	39	NORTHERN CHILE
	27	10	32	17.1&	61.200	N	149.867	W	42				26	SOUTHERN ALASKA. <AGS-P>.
	27	11	34	41.5•	24.174	S	66.965	W	199	•		1.3	11	SALTA PROVINCE, ARGENTINA
a	27	11	37	52.9	18.179	S	178.323	W	518		5.0	1.0	59	FIJI ISLANDS REGION
	27	12	10	31.2	44.057	N	16.215	E	10	G	4.2	1.3	84	YUGOSLAVIA. ML 4.4 (KBA), 4.4 (SKO). MD 4.5 (TTG), 4.3 (TRI). Some additional damage (VI) in the Knin area.
	27	12	45	02.6%	60.298	N	5.481	E	0	G		0.7	7	SOUTHERN NORWAY. MD 1.5 (BER). Probable explosion.
	27	14	30	17.4	44.091	N	16.229	E	10	G		1.2	29	YUGOSLAVIA. ML 3.6 (TRI).
	27	14	38	38.0•	41.162	N	22.767	E	10	G		1.3	5	YUGOSLAVIA. ML 1.8 (SKO).
	27	15	15	38.6	36.461	N	13.505	E	10	G	4.3	1.0	14	MEDITERRANEAN SEA
	27	15	53	39.5?	9.92	S	117.55	E	33	N	3.3	0.9	5	SUMBAWA ISLAND REGION
	27	17	41	14.1	50.079	N	19.232	E	10	G		0.6	6	POLAND. ML 3.0 (KRA).
	27	17	49	53.8	35.486	N	9.758	E	10	G	4.3	0.8	16	TUNISIA
	27	19	03	45.6?	1.81	N	126.41	E	95	?	4.4	1.6	8	MOLUCCA PASSAGE
	27	19	29	26.0%	46.009	N	1.480	E	10	G		0.8	10	FRANCE. ML 2.2 (LDG).
	27	19	39	04.6?	34.28	N	139.42	E	10	G		0.9	6	NEAR S. COAST OF HONSHU, JAPAN
	27	19	45	40.9?	24.71	S	179.75	E	554	•	4.1	0.8	8	SOUTH OF FIJI ISLANDS
	27	19	47	54.8%	60.700	N	5.608	E	0	G		0.3	5	SOUTHERN NORWAY. MD 1.5 (BER). Probable explosion.
	27	21	40	42.4	23.948	N	122.529	E	29		5.0	1.2	38	TAIWAN REGION
	27	23	04	34.5%	40.829	N	29.084	E	15	•		0.6	9	TURKEY
	28	00	04	42.4•	31.231	S	67.839	W	33	N		1.3	5	SAN JUAN PROVINCE, ARGENTINA
	28	00	55	00.8	10.531	S	13.206	W	10	G	5.0 4.6	1.1	42	ASCENSION ISLAND REGION
	28	03	45	57.0&	38.842	N	122.790	W	2	G			18	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	28	04	37	52.9•	18.275	S	69.423	W	167	?	4.4	1.1	9	NORTHERN CHILE
	28	09	12	04.6•	17.941	S	178.621	W	587	•	4.6	1.0	19	FIJI ISLANDS REGION
	28	09	59	35.2&	37.275	N	121.683	W	5				13	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	28	13	44	52.5•	1.961	N	126.881	E	86	•	4.8	1.1	22	MOLUCCA PASSAGE
	28	15	02	24.4•	50.515	N	5.600	E	10	G		1.0	5	BELGIUM
	28	15	31	17.6?	3.45	S	134.33	E	33	N	4.5	1.4	6	WEST IRIAN REGION
	28	15	40	53.6•	25.346	S	129.813	E	10	G		1.1	7	NORTHERN TERRITORY, AUSTRALIA
	28	15	46	02.3•	25.458	S	129.812	E	10	G		1.1	7	NORTHERN TERRITORY, AUSTRALIA
	28	17	20	57.3?	15.88	N	60.84	W	33	N		0.5	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	28	17	27	01.1•	45.545	S	76.839	W	10	G	5.2 4.5	1.2	22	OFF COAST OF SOUTHERN CHILE
	28	20	16	38.7	44.062	N	15.232	E	10	G		1.2	60	YUGOSLAVIA. ML 4.3 (LDG), 4.3 (KBA), 3.9 (TRI), 3.8 (VKA). Felt (V) at Zadar.
a	28	20	34	48.2•	45.712	S	75.655	W	33	N	4.7 4.2	0.8	17	OFF COAST OF SOUTHERN CHILE
	28	21	37	27.4	42.253	N	20.158	E	10	G		1.0	6	YUGOSLAVIA. ML 2.3 (TTG).
	28	22	06	37.7	0.239	S	125.326	E	64	•	4.8	1.3	26	MOLUCCA SEA
a	28	22	29	35.1	36.345	N	141.174	E	41	D	5.7 5.6	1.1	272	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Choshi and Onahama; (III JMA) at Mito, Toteyama and Utsunomiya. Felt from the Tokyo-Nagano area to Morioka.
	29	00	33	07.5	6.136	N	82.462	W	10	G	4.8 4.2	1.0	41	SOUTH OF PANAMA
	29	03	52	38.7	10.194	S	160.609	E	52	•	5.0 4.8	1.1	28	SOLOMON ISLANDS
	29	05	06	48.4%	40.568	N	29.997	E	10	G		0.6	5	TURKEY
	29	05	40	55.0?	16.89	S	175.63	W	33	N	4.6	1.2	15	TONGA ISLANDS
	29	11	21	56.7	24.806	S	63.514	W	567		4.4	0.7	34	SALTA PROVINCE, ARGENTINA
	29	11	40	51.8	26.069	N	96.939	E	33	N	4.7	0.9	38	BURMA
	29	12	45	51.2	42.348	N	19.938	E	10	G		0.5	6	YUGOSLAVIA. ML 2.3 (TTG).
	29	12	46	02.0•	7.290	N	59.586	E	10	G	4.9	0.8	18	CARLSBERG RIDGE
	29	12	53	55.0	46.273	N	8.630	E	10	G		0.9	7	SWITZERLAND
	29	13	10	42.5&	37.520	N	118.560	W	6	G			7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	29	13	10	51.6&	37.580	N	118.480	W	6	G			5	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	29	13	30	20.5•	36.482	N	140.560	E	123	•	4.5	0.6	8	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito, Onahama and Utsunomiya.
	29	14	58	53.3%	46.050	N	3.132	E	10	G		0.5	9	FRANCE. ML 1.9 (LDG).
	29	15	49	59.4?	49.85	S	118.46	E	10	G	4.4	0.6	7	SOUTH OF AUSTRALIA
	29	16	25	38.8	42.134	N	142.862	E	71		4.6	1.1	35	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa and (I JMA) at Obihiro.
a	29	16	54	13.7	16.252	S	173.930	W	106	D	5.3	1.0	154	TONGA ISLANDS
	29	17	05	56.9&	59.047	N	152.290	W	78				31	SOUTHERN ALASKA. <AGS-P>.
	29	17	08	52.5•	24.123	S	67.856	W	32	•		0.8	7	CHILE-ARGENTINA BORDER REGION
	29	17	50	49.7•	2.853	S	129.159	E	33	N	4.5	1.1	11	CERAM
	29	18	00	32.3	49.626	N	120.481	W	5	G		0.7	10	BRITISH COLUMBIA. ML 2.9 (PGC), 3.0 (NEIS). Felt in the area north of Princeton.
	29	18	42	18.9•	11.248	N	85.861	W	77	•	4.6	1.1	29	NICARAGUA
	29	19	17	05.9%	38.978	N	27.651	E	10	G		0.7	8	TURKEY
	29	19	22	03.4•	25.429	S	129.794	E	10	G		1.3	9	NORTHERN TERRITORY, AUSTRALIA
	29	19	26	15.5•	37.796	N	25.396	W	10	G		0.1	5	AZORES ISLANDS. Felt (II) at Furnas.
	29	19	34	40.1?	24.61	S	179.52	E	617	?	4.4	0.5	8	SOUTH OF FIJI ISLANDS
	29	20	11	20.4	23.250	S	69.381	W	87		5.2	1.5	45	NORTHERN CHILE. Felt (III) at Antofagasta.
	29	20	39	24.9	44.635	N	148.525	E	98	D	4.9	0.8	131	KURIL ISLANDS
	29	21	35	31.6•	27.995	N	140.038	E	496	•	4.6	0.5	16	BONIN ISLANDS REGION
	29	22	09	14.6	24.747	N	122.727	E	28		4.9	1.2	43	TAIWAN REGION
	29	22	50	04.1	22.559	N	121.280	E	37	•	4.9 4.2	1.3	56	TAIWAN REGION
	29	23	44	54.2•	6.896	S	129.895	E	167	?	4.6	1.2	13	BANDA SEA
	30	00	12	47.3	11.868	S	166.764	E	213	D	5.0	0.9	101	SANTA CRUZ ISLANDS
	30	01	11	05.7•	7.149	S	129.155	E	158	•	4.2	1.0	11	BANDA SEA
	30	03	00	15.6•	21.705	N	142.907	E	325	•	4.4	0.8	19	MARIANA ISLANDS REGION
	30	03	03	51.0	23.950	N	121.980	E	34		5.1 4.2	1.0	99	TAIWAN
	30	03	19	11.3	38.614	N	14.934	E	252		4.3	1.0	78	SICILY
	30	04	09	40.5?	36.36	N	141.15	E	33	N		0.7	5	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito.
a	30	05	19	48.2	5.494	S	35.769	W	5	G	4.9 4.8	1.0	32	BRAZIL. Approximately 1,500 homes damaged in the Joao Camara area. Felt at Natal.
	30	05	29	18.4	38.767	N	27.728	E	14		3.9	0.8	39	TURKEY. ML 3.8 (ATH)
	30	08	06	53.2•	20.245	S	70.825	W	33	N		1.1	7	NEAR COAST OF NORTHERN CHILE
	30	08	13	48.2?	6.38	S	147.81	E	80	•	3.5	1.4	6	EAST PAPUA NEW GUINEA REGION
	30	08	55	38.1	21.458	S	179.346	W	606		5.0	1.0	58	FIJI ISLANDS REGION

30	09	18	43.1	17.778	S	179.492	E	595		4.8	0.9	88	FIJI ISLANDS
30	09	30	31.3?	2.52	N	98.96	E	165	?	3.8	0.5	5	NORTHERN SUMATERA
30	09	41	09.1*	26.465	N	111.076	W	10	G	4.7	1.8	31	GULF OF CALIFORNIA
30	10	29	38.2%	39.285	N	27.643	E	10	G		1.5	5	TURKEY
30	10	31	16.9%	39.344	N	28.969	E	10	G		1.8	7	TURKEY
30	10	34	15.8%	39.342	N	28.975	E	10	G		0.9	8	TURKEY
30	13	58	39.9	9.352	S	157.660	E	33	N	4.9 4.8	1.3	32	SOLOMON ISLANDS
30	15	09	05.1?	44.31	N	6.76	E	10	G		0.2	5	FRANCE. ML 3.5 (FDF).
30	16	04	38.9	27.734	S	71.748	W	33	N	4.7	1.3	21	NEAR COAST OF NORTHERN CHILE
30	18	37	43.0?	37.2E	N	140.86	E	33	N	4.5	1.5	5	HONSHU, JAPAN
30	19	07	50.1%	45.554	N	3.690	E	10	G		0.2	6	FRANCE. ML 2.2 (LDG).
30	19	51	19.8?	3.46	S	134.26	E	33	N	4.4	1.5	6	WEST IRIAN REGION
30	20	07	27.1	44.653	N	111.059	W	5	G		0.8	7	HEBGEN LAKE REGION. ML 2.9 (NEIS).
f 30	20	15	30.3	38.853	N	141.948	E	37	G	6.0 6.0	0.8	288	NEAR EAST COAST OF HONSHU. JAPAN. Felt (IV JMA) at Morioka and (I JMA) in the Tokyo area. Depth from broadband displacement seismograms.
30	23	18	41.8	18.099	S	70.225	W	65		5.0	1.0	82	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Tacna and Arica. Felt (III) at Arequipa, Peru.
30	23	38	06.4?	33.79	N	26.49	E	10	G	3.8	1.2	8	EASTERN MEDITERRANEAN SEA

A D D I T I O N A L S O U R C E P A R A M E T E R S

01 05 02 42.49 26.982N 96.425E 26km
5.4mb (55 obs.) 5.0Msz (4 obs.)
BURMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 05:02:40.2 1.3
Lat 25.53N 0.17 Lon 96.91E 0.07
Dep 69.8 6.8 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	5.06	61	13
N	3.83	28	176
P	-8.87	7	270

Best Double Couple:Mo=7.0*10**23
NP1:Strike= 28 Dip=45 Slip= 132
NP2: 157 58 56

01 18 56 27.74 7.662S 127.822E 118km
5.5mb (31 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 18:56:32.1 0.9
Lat 7.37S 0.09 Lon 127.72E 0.05
Dep 110.7 2.8 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.90	51	338
N	-0.72	39	158
P	-3.18	8	68

Best Double Couple:Mo=3.5*10**24
NP1:Strike=125 Dip=57 Slip= 41
NP2: 18 57 139

01 20 06 07.91 4.948S 145.482E 58km
5.3mb (7 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 15C
Centroid Location:
Origin Time 20:06:10.3 0.8
Lat 4.96S FIX;Lon 145.44E FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	8.91	64	118
N	-0.06	24	271
P	-8.84	11	6

Best Double Couple:Mo=8.9*10**23
NP1:Strike=122 Dip=48 Slip= 128
NP2: 256 60 62

03 02 06 19.45 27.544S 176.232W 33km
5.4mb (11 obs.) 5.6Msz (9 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 23C
Centroid Location:
Origin Time 02:06:26.6 0.3
Lat 27.41S 0.04 Lon 176.35W 0.04
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.81	69	269
N	0.24	7	10
P	-4.06	29	104

Best Double Couple:Mo=3.9*10**24
NP1:Strike=213 Dip=17 Slip= 114
NP2: 8 75 83

03 13 52 04.03 28.516N 128.048E 280km
5.0mb (8 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 5S, 8C
Centroid Location:
Origin Time 13:51:59.4 1.8
Lat 28.46N 0.12 Lon 127.84E 0.33
Dep 218.5 8.4 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	4.23	9	79
N	-0.01	3	349
P	-4.23	80	238

Best Double Couple:Mo=4.2*10**23
NP1:Strike=173 Dip=36 Slip= -84
NP2: 346 54 -94

04 16 19 15.13 50.881N 89.269E 10km
5.3mb (58 obs.) 4.9Msz (4 obs.)
USSR-MONGOLIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 18C
Centroid Location:
Origin Time 16:19:20.2 0.6
Lat 50.32N 0.08 Lon 88.81E 0.21
Dep 15.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.59	35	118
N	-0.31	53	272
P	-2.28	8	14

Best Double Couple:Mo=2.4*10**24
NP1:Strike=145 Dip=59 Slip= 159
NP2: 246 72 32

06 00 16 30.93 18.016S 178.484W 589km
5.4mb (43 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 24C
Centroid Location:
Origin Time 00:16:47.1 0.5
Lat 17.79S 0.05 Lon 178.53W 0.06
Dep 597.1 2.7 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	5.27	17	9
N	-1.16	26	107
P	-4.12	59	249

Best Double Couple:Mo=4.7*10**24
NP1:Strike= 68 Dip=36 Slip=-137
NP2: 300 66 -62

06 02 48 23.66 9.007N 126.240E 62km
5.6mb (44 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 17C
Centroid Location:
Origin Time 02:48:23.7 0.7
Lat 9.07N 0.04 Lon 126.62E 0.06
Dep 61.4 4.1 Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	4.36	86	329
N	0.85	22	170
P	-5.21	8	77

Best Double Couple:Mo=4.8*10**24
NP1:Strike=143 Dip=42 Slip= 56
NP2: 6 58 117

06 18 27 00.18 51.469N 176.684W 33km
5.1mb (52 obs.) 5.5Msz (15 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 28C
Centroid Location:
Origin Time 18:27: 5.8 0.5
Lat 51.72N 0.03 Lon 176.32W 0.06
Dep 37.9 2.0 Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	8.32	66	312
N	0.45	6	56
P	-8.77	23	148

Best Double Couple:Mo=8.5*10**24
NP1:Strike=250 Dip=23 Slip= 105
NP2: 54 68 84

07 14 43 50.88 14.983S 69.165E 10km
5.0mb (22 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 13C
Centroid Location:
Origin Time 14:44: 1.5 1.8
Lat 13.75S 0.19 Lon 69.48E 0.13
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	3.52	0	196
N	-0.32	90	180
P	-3.20	0	106

Best Double Couple:Mo=3.4*10**23
NP1:Strike=241 Dip=90 Slip= 180
NP2: 331 90 0

07 19 48 58.88 28.591S 176.487W 33km
5.7mb (24 obs.) 6.3Msz (18 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 19:49:18.7 0.4
Lat 28.23S 0.03 Lon 176.81W 0.04
Dep 15.0 FIX Half-duration 4.3
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	1.76	63	269
N	0.31	6	12
P	-2.07	26	105

Best Double Couple:Mo=1.9*10**25
NP1:Strike=210 Dip=28 Slip= 109
NP2: 18 71 83

08 00 09 25.73 28.426S 176.562W 33km

5.3mb (7 obs.) 4.9Msz (3 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 13C
Centroid Location:
Origin Time 00:09:26.0 1.2
Lat 28.34S 0.09 Lon 175.99W 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.26 Plg=79 Azm=245
N 1.78 7 17
P -9.04 8 108
Best Double Couple:Mo=9.1*10**23
NP1:Strike=287 Dip=38 Slip= 102
NP2: 12 53 81

88 04 22 38.79 28.227S 176.615W 33km
5.3mb (8 obs.) 5.2Msz (1 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 16C
Centroid Location:
Origin Time 04:22:45.8 1.8
Lat 28.03S 0.14 Lon 176.78W 0.20
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.73 Plg=58 Azm=261
N 0.15 10 7
P -1.89 30 103
Best Double Couple:Mo=1.8*10**24
NP1:Strike=221 Dip=18 Slip= 125
NP2: 4 76 80

89 12 18 24.43 52.283N 168.383W 33km
5.3mb (56 obs.) 4.7Msz (3 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 13C
Centroid Location:
Origin Time 12:16:25.3 2.0
Lat 51.88N 0.19 Lon 167.99W 0.22
Dep 15.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 4.92 Plg=63 Azm=254
N 1.79 25 46
P -6.70 11 142
Best Double Couple:Mo=5.8*10**23
NP1:Strike=259 Dip=49 Slip= 130
NP2: 31 61 61

89 15 00 42.78 18.625N 106.797W 10km
4.9mb (7 obs.) 5.1Msz (1 obs.)
OFF COAST OF JALISCO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 15:00:46.0 0.5
Lat 18.83N 0.06 Lon 106.73W 0.05
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.50 Plg= 0 Azm=235
N -0.26 90 180
P -1.24 0 145
Best Double Couple:Mo=1.4*10**24
NP1:Strike=280 Dip=90 Slip= 180
NP2: 10 90 0

89 22 27 28.06 17.268N 61.397W 52km
5.1mb (39 obs.) 4.0Msz (1 obs.)
LEEWARD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 11C
Centroid Location:
Origin Time 22:27:31.7 1.9
Lat 17.35N 0.21 Lon 60.84W 0.26
Dep 35.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 3.78 Plg=47 Azm=333
N 0.89 29 206
P -4.66 29 99
Best Double Couple:Mo=4.2*10**23
NP1:Strike=140 Dip=31 Slip= 21
NP2: 32 89 119

10 20 38 46.55 28.344S 176.488W 33km
5.4mb (11 obs.) 5.7Msz (6 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 20:38:54.3 0.5
Lat 28.27S 0.05 Lon 176.29W 0.05
Dep 20.9 2.3 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.15 Plg=72 Azm=238
N 0.26 13 14
P -3.41 12 107
Best Double Couple:Mo=3.3*10**24
NP1:Strike=214 Dip=35 Slip= 114
NP2: 6 58 74

10 21 52 43.68 7.374S 155.898E 51km
5.5mb (21 obs.) 5.4Msz (6 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 21:52:46.3 0.2
Lat 7.78S 0.02 Lon 156.15E 0.02
Dep 28.4 1.9 Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM
T Val= 8.59 Plg=69 Azm= 66
N 1.11 18 309
P -9.70 19 216
Best Double Couple:Mo=9.1*10**24
NP1:Strike=290 Dip=28 Slip= 68
NP2: 134 64 101

11 00 02 32.02 2.414N 126.811E 79km
5.7mb (37 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 21C
Centroid Location:
Origin Time 00:02:36.4 0.4
Lat 2.42N 0.04 Lon 127.10E 0.04
Dep 33.0 FIX Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM
T Val= 9.98 Plg= 8 Azm=322
N 1.04 71 79
P -11.03 16 230
Best Double Couple:Mo=1.1*10**25
NP1:Strike= 7 Dip=72 Slip=-174
NP2: 275 85 -18

11 18 57 12.43 48.678S 31.154E 10km
5.7mb (17 obs.) 5.8Msz (10 obs.)
SOUTH OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 18:57:18.1 0.2
Lat 48.43S 0.03 Lon 31.38E 0.03
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**25 D-CM
T Val= 1.46 Plg= 4 Azm=159
N -0.28 86 359
P -1.18 1 250
Best Double Couple:Mo=1.3*10**25
NP1:Strike=295 Dip=86 Slip= 2
NP2: 204 88 176

12 00 26 04.60 14.340S 167.675E 33km
5.3mb (17 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 14C
Centroid Location:
Origin Time 00:26: 3.1 0.9
Lat 14.55S 0.09 Lon 168.02E 0.11
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 10.35 Plg=65 Azm= 67
N 0.19 5 168
P -10.55 24 260
Best Double Couple:Mo=1.0*10**24
NP1:Strike= 1 Dip=21 Slip= 104
NP2: 186 69 85

12 02 20 35.53 12.402S 166.825E 40km
5.3mb (8 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 9C
Centroid Location:
Origin Time 02:20:38.7 1.5
Lat 12.08S 0.15 Lon 166.12E 0.19
Dep 60.4 10.7 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.91 Plg=21 Azm= 2
N 0.80 65 148
P -6.71 13 267
Best Double Couple:Mo=6.3*10**23
NP1:Strike= 43 Dip=66 Slip= 174
NP2: 136 84 24

12 20 54 27.78 28.207S 176.630W 33km
5.1mb (9 obs.) 5.6Msz (9 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 22C
Centroid Location:
Origin Time 20:54:35.6 0.5
Lat 28.07S 0.04 Lon 176.68W 0.05
Dep 22.7 2.1 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.36 Plg=71 Azm=254
N 0.39 18 13
P -2.74 18 106
Best Double Couple:Mo=2.6*10**24
NP1:Strike=210 Dip=30 Slip= 109
NP2: 8 62 79

13 12 44 07.61 43.854N 141.770E 16km
5.4mb (55 obs.) 5.0Msz (4 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 14C
Centroid Location:
Origin Time 12:44: 9.1 0.8
Lat 43.79N 0.06 Lon 141.47E 0.13
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 7.70 Plg= 0 Azm=211
N 1.87 90 180
P -8.78 0 121
Best Double Couple:Mo=8.2*10**23
NP1:Strike=256 Dip=90 Slip= 180
NP2: 346 90 0

14 00 46 41.48 35.979N 136.914E 272km
5.1mb (55 obs.)
SOUTHERN HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 14C
Centroid Location:
Origin Time 00:46:42.8 1.3
Lat 35.98N 0.10 Lon 136.72E 0.20
Dep 261.7 5.9 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.81 Plg=37 Azm=213
N -0.28 19 318
P -6.52 46 70
Best Double Couple:Mo=6.7*10**23
NP1:Strike=243 Dip=20 Slip=-166
NP2: 140 85 -70

14 06 33 22.87 58.731S 25.266W 18km
5.6mb (11 obs.) 5.2Msz (3 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 10S, 24C
Centroid Location:
Origin Time 06:33:32.9 0.3
Lat 58.91S 0.03 Lon 25.28W 0.08
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 5.06 Plg=65 Azm=266
N 0.53 0 176
P -5.60 25 86

Best Double Couple:Mo=5.3e+18**24
NP1:Strike=176 Dip=20 Slip= 90
NP2: 356 70 90

14 12 59 33.32 27.255S 176.585W 44km
5.3mb (18 obs.) 5.1Msz (4 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 20C
Centroid Location:
Origin Time 12:59:38.8 0.6
Lat 27.20S 0.04 Lon 176.49W 0.06
Dep 19.8 2.5 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 1.88 Plg=71 Azm=290
N 0.22 2 195
P -2.10 19 104
Best Double Couple:Mo=2.0e+18**24
NP1:Strike=192 Dip=26 Slip= 86
NP2: 16 64 92

14 21 20 10.55 23.901N 121.574E 34km
6.3mb (23 obs.) 7.8Msz (17 obs.)
TAIWAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 38 Dip=58 Slip= 85
NP2: 227 32 98
Principal Axes:
T Plg=76 Azm=293
P 13 132
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.6e0.3+18**22 d-cm
MOMENT TENSOR SOLUTION
Dep 39 No. of sta: 12
Principal Axes:
Scale 10**26 d-cm
T Val= 9.33 Plg=76 Azm=263
N 0.15 9 30
P -9.48 11 122
Best Double Couple:Mo=9.4e+18**26
NP1:Strike=223 Dip=35 Slip= 106
NP2: 24 57 79
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 27C M.W.: 10S, 23C
Centroid Location:
Origin Time 21:20:17.8 0.2
Lat 23.97N 0.01 Lon 121.85E 0.02
Dep 33.2 0.8 Half-duration 10.0
Principal Axes:
Scale 10**27 D-CM
T Val= 1.32 Plg=77 Azm=308
N -0.05 1 212
P -1.27 12 122
Best Double Couple:Mo=1.3e+18**27
NP1:Strike=218 Dip=33 Slip= 87
NP2: 33 57 92

14 23 04 37.09 23.866N 121.711E 33km
6.1mb (78 obs.) 6.3Msz (6 obs.)
TAIWAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=72 Slip= 90
NP2: 200 18 90
Principal Axes:
T Plg=63 Azm=290
P 27 110
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

15 07 24 07.21 23.877N 121.677E 28km
5.5mb (66 obs.) 5.8Msz (4 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 14C
Centroid Location:
Origin Time 07:24:16.5 0.5
Lat 23.66N 0.07 Lon 121.66E 0.12
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Val= 4.58 Plg=35 Azm=244
N 1.60 37 5
P -6.09 34 125
Best Double Couple:Mo=5.3e+18**24
NP1:Strike=274 Dip=37 Slip= 179
NP2: 5 89 53

17 00 33 33.55 14.641S 166.532E 37km
5.0mb (13 obs.) 4.8Msz (1 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 00:33:31.6 1.5
Lat 14.35S 0.12 Lon 166.43E 0.14
Dep 54.2 8.5 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 3.98 Plg=83 Azm=344
N -0.39 8 183
P -3.59 2 93
Best Double Couple:Mo=3.8e+18**23
NP1:Strike=177 Dip=43 Slip= 81
NP2: 9 48 99

18 12 02 27.84 57.933S 25.392W 67km
5.6mb (6 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:
Origin Time 12:02:31.7 0.6
Lat 58.04S 0.06 Lon 25.46W 0.11
Dep 44.1 4.0 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.22 Plg=82 Azm=290
N 0.07 3 176
P -1.29 7 85
Best Double Couple:Mo=1.3e+18**24
NP1:Strike=172 Dip=38 Slip= 85
NP2: 358 52 94

18 22 48 27.63 24.113S 179.956E 511km
5.4mb (30 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 22:48:33.1 1.1
Lat 24.37S 0.10 Lon 179.92W 0.11
Dep 540.9 4.7 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 12.14 Plg=61 Azm= 98
N 0.43 13 284
P -12.58 25 300
Best Double Couple:Mo=1.2e+18**24
NP1:Strike= 56 Dip=23 Slip= 124
NP2: 280 72 77

19 00 35 17.44 29.969N 131.857E 33km
5.1mb (24 obs.) 5.0Msz (3 obs.)
RYUKYU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 10C
Centroid Location:
Origin Time 00:35:20.2 1.4
Lat 29.54N 0.25 Lon 131.33E 0.38
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 7.23 Plg=71 Azm=295
N 0.21 1 202
P -7.44 19 112
Best Double Couple:Mo=7.3e+18**23
NP1:Strike=201 Dip=26 Slip= 88
NP2: 23 64 91

19 04 53 31.90 27.221S 176.449W 33km
5.3mb (18 obs.) 5.2Msz (7 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 04:53:39.5 0.8
Lat 27.01S 0.06 Lon 176.26W 0.08
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.68 Plg=68 Azm=258
N 0.28 9 11
P -2.34 20 104
Best Double Couple:Mo=2.2e+18**24
NP1:Strike=218 Dip=20 Slip= 111
NP2: 7 66 89

19 08 28 32.95 0.278N 169.752E 33km
5.3mb (27 obs.) 4.8Msz (2 obs.)
GILBERT ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 08:28:36.3 0.7
Lat 0.15S 0.06 Lon 169.53E 0.11
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 10.83 Plg=32 Azm= 72
N -1.24 54 282
P -9.59 14 171
Best Double Couple:Mo=1.0e+18**24
NP1:Strike=216 Dip=57 Slip= 14
NP2: 118 79 146

19 11 52 37.18 19.550S 167.690E 34km
5.3mb (13 obs.) 4.7Msz (1 obs.)
VANUATU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 13C
Centroid Location:
Origin Time 11:52:41.7 0.9
Lat 19.79S 0.16 Lon 167.43E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 8.08 Plg=18 Azm= 65
N 0.88 28 325
P -8.88 56 183
Best Double Couple:Mo=8.5e+18**23
NP1:Strike=191 Dip=37 Slip= -38
NP2: 313 68 -121

19 14 09 46.37 27.135S 176.587W 33km
5.2mb (8 obs.) 5.2Msz (5 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 19C
Centroid Location:
Origin Time 14:09:51.3 0.7
Lat 26.99S 0.05 Lon 176.27W 0.07
Dep 15.8 3.1 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.21 Plg=62 Azm=288
N 0.06 2 193
P -2.27 28 102
Best Double Couple:Mo=2.2e+18**24
NP1:Strike=185 Dip=18 Slip= 82
NP2: 14 73 93

19 17 11 55.36 18.889S 168.087E 48km
5.3mb (16 obs.) 5.0Msz (5 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 25C
Centroid Location:
Origin Time 17:12: 2.4 0.8
Lat 18.86S 0.05 Lon 167.64E 0.08
Dep 15.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.12 Plg=17 Azm=108
N -0.40 26 199
P -1.72 58 341
Best Double Couple:Mo=1.9e+18**24
NP1:Strike=157 Dip=36 Slip=-138
NP2: 31 66 -62

20 13 14 24.95 16.265S 167.549E 60km
5.7mb (31 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 17C
Centroid Location:
Origin Time 13:14:29.8 0.9

Lat 16.20S 0.07 Lon 167.43E 0.10
Dep 25.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.93	49	65
N	-0.88	20	296
P	-2.05	27	190

Best Double Couple:Mo=2.9*10**24
NP1:Strike=234 Dip=32 Slip= 24
NP2: 123 78 120

22 00 41 42.92 34.438N 139.520E 9km
5.0mb (88 obs.) 5.8Msz (17 obs.)
NEAR S. COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=188 Dip=77 Slip= 5
NP2: 97 85 167
Principal Axes:

	Plg=	Azm=
T	13	52
P	6	143

Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 1.2±0.5*10**21 d-cm
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 13
Principal Axes:
Scale 10**24 d-cm

	Val=	Plg=	Azm=
T	7.61	1	239
N	0.19	75	331
P	-7.80	15	149

Best Double Couple:Mo=7.7*10**24
NP1:Strike=285 Dip=79 Slip=-169
NP2: 193 80 -11
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 00:41:47.5 0.3
Lat 34.53N 0.03 Lon 139.36E 0.04
Dep 15.0 BDY Half-duration 3.6
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	9.02	15	240
N	1.77	58	355
P	-10.79	28	142

Best Double Couple:Mo=9.9*10**24
NP1:Strike=284 Dip=59 Slip=-170
NP2: 189 81 -31

22 15 33 15.57 3.105S 139.875E 12km
5.2mb (16 obs.) 5.0Msz (2 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 15:33:20.9 0.7
Lat 3.09S 0.06 Lon 139.91E 0.09
Dep 17.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.38	63	4
N	-0.09	6	106
P	-1.29	26	199

Best Double Couple:Mo=1.3*10**24
NP1:Strike=304 Dip=20 Slip= 108
NP2: 104 71 83

23 01 39 23.90 3.342S 77.411W 106km
6.4mb (72 obs.)
PERU-ECUADOR BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=117 Dip=65 Slip= -96
NP2: 311 26 -77
Principal Axes:

	Plg=	Azm=
T	20	212
P	69	15

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a small strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 2.5±0.4*10**20 d-cm
MOMENT TENSOR SOLUTION
Dep 107 No. of sta: 11
Principal Axes:
Scale 10**26 d-cm

	Val=	Plg=	Azm=
T	2.04	7	231
N	0.09	3	141
P	-2.04	82	30

Best Double Couple:Mo=2.0*10**26
NP1:Strike=324 Dip=38 Slip= -85
NP2: 139 53 -94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 39C M.W.: 10S, 25C
Centroid Location:
Origin Time 01:39:32.6 0.2
Lat 3.38S 0.01 Lon 77.49W 0.02
Dep 101.9 0.5 Half-duration 9.6
Principal Axes:
Scale 10**26 D-CM

	Val=	Plg=	Azm=
T	1.83	10	223
N	0.09	5	132
P	-1.92	79	18

Best Double Couple:Mo=1.9*10**26
NP1:Strike=319 Dip=35 Slip= -82
NP2: 129 55 -96

25 13 59 42.39 44.120N 16.339E 30km
5.3mb (39 obs.) 5.5Msz (7 obs.)
YUGOSLAVIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 12C
Centroid Location:
Origin Time 13:59:43.1 1.2
Lat 43.48N 0.13 Lon 16.49E 0.09
Dep 15.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.53	64	348
N	0.08	6	92
P	-2.61	25	185

Best Double Couple:Mo=2.6*10**24
NP1:Strike=289 Dip=21 Slip= 108
NP2: 89 70 83

27 03 28 59.51 42.485N 144.531E 46km
5.4mb (79 obs.) 4.9Msz (7 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 16C
Centroid Location:
Origin Time 03:28:59.5 1.0
Lat 42.05N 0.11 Lon 144.87E 0.20
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	7.42	28	184
N	-1.57	8	90
P	-5.84	61	346

Best Double Couple:Mo=6.6*10**23
NP1:Strike=294 Dip=18 Slip= -65
NP2: 87 73 -98

27 11 37 52.93 18.179S 178.323W 518km
5.0mb (17 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 13C
Centroid Location:
Origin Time 11:38: 0.3 1.2
Lat 18.02S 0.11 Lon 178.38W 0.12
Dep 547.5 6.3 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	12.35	27	160
N	-8.41	51	29
P	-11.94	25	264

Best Double Couple:Mo=1.2*10**24
NP1:Strike=303 Dip=52 Slip= 2
NP2: 211 88 142

28 20 34 48.28 45.712S 75.655W 33km
4.7mb (5 obs.) 4.2Msz (1 obs.)
OFF COAST OF SOUTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 20:34:49.6 0.8
Lat 45.53S 0.08 Lon 77.17W 0.15
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	9.24	0	215
N	-1.47	90	180
P	-7.76	0	125

Best Double Couple:Mo=8.5*10**23
NP1:Strike=260 Dip=90 Slip= 180
NP2: 350 90 0

28 22 29 35.18 36.345N 141.174E 41km
5.7mb (83 obs.) 5.6Msz (9 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location:
Origin Time 22:29:38.6 0.3
Lat 36.03N 0.03 Lon 141.29E 0.04
Dep 29.9 2.1 Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	6.07	67	266
N	0.91	7	14
P	-6.99	22	107

Best Double Couple:Mo=6.5*10**24
NP1:Strike=211 Dip=24 Slip= 109
NP2: 11 67 82

29 16 54 13.74 16.252S 173.930W 106km
5.3mb (40 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 26C
Centroid Location:
Origin Time 16:54:20.2 0.3
Lat 16.06S 0.03 Lon 173.77W 0.03
Dep 100.5 1.4 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.83	70	114
N	0.00	11	237
P	-3.82	18	330

Best Double Couple:Mo=3.8*10**24
NP1:Strike= 76 Dip=30 Slip= 112
NP2: 231 62 78

30 05 19 48.29 5.494S 35.769W 5km
4.9mb (13 obs.) 4.8Msz (1 obs.)
BRAZIL
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 05:19:53.9 1.4
Lat 5.41S 0.09 Lon 35.98W 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	5.93	0	175
N	-1.03	90	180
P	-4.89	0	85

Best Double Couple:Mo=5.4*10**23
NP1:Strike=220 Dip=90 Slip= 180
NP2: 310 90 0

30 20 15 30.32 38.853N 141.948E 37km
6.0mb (85 obs.) 6.0Msz (15 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=72 Slip= 105
NP2: 164 23 51
Principal Axes:

	Plg=	Azm=
T	60	317
P	26	103

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a small left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 7.3±2.4*10**19 d-cm
MOMENT TENSOR SOLUTION
Dep 41 No. of sta: 18
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	1.09	56	311
N	0.01	18	193
P	-1.11	28	93

Best Double Couple:Mo=1.1*10**25
NP1:Strike=145 Dip=24 Slip= 48

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 NP2:          18     75        109
CENTROID, MOMENT TENSOR     (HRV)
Data Used: GDSN
L.P.B.:  9S, 22C
Centroid Location:
Origin Time          20:15:37.0 0.2
Lat 38.67N 0.02 Lon 142.08E 0.02
Dep  42.0 1.6 Half-duration  3.6
Principal Axes:
  Scale 10**24 D-CM
  T  Val= 10.47  Plg=66   Azm=303
  N        0.88       6       201
  P      -11.35      23       108
Best Double Couple:Mo=1.1*10**25
 NP1:Strike=187 Dip=23 Slip=  75
 NP2:          23     68        96
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Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

ANNOUNCEMENT

Beginning with this issue, "RADIATED ENERGY" is presented in the section "ADDITIONAL SOURCE PARAMETERS" for certain events:

The energy radiated by an earthquake is estimated from the energy spectral density of the broadband P waves, using the method described by Boatwright and Choy (1986), where the energy flux in the P waves is integrated directly. No correction for source directivity or frequency-dependent interference of the depth phases is incorporated into these estimates of radiated energy. Data used are either direct P waves (for deep earthquakes) or the P wave group consisting of P, pP and sP (for shallow earthquakes) from GDSN and other stations that contribute digital data to the NEIC within two months of the occurrence of an event. The data are processed using the method of Harvey and Choy (1982) so that they are flat to velocity from low frequencies (generally 0.01 Hz) to at least 2.0 Hz. The effect of attenuation is corrected with the frequency-dependent t* of Choy and Cormier (1986). The focal mechanism used is either the P-wave first-motion solution (F), the USGS moment tensor solution (M) or the Harvard centroid solution (C).

Boatwright, J. and Choy, G. L., 1986, Teleseismic estimates of the energy radiated by shallow earthquakes: Journal of Geophysical Research, v. 91, p. 2095-2112.

Choy, G. L. and Cormier, V. F., 1986, Direct measurement of the mantle attenuation operator from broadband P and S waveforms: Journal of Geophysical Research, v. 91, p. 7326-7342.

Harvey, D. and Choy, G. L., 1982, Broadband deconvolution of GDSN data: Geophysical Journal of the Royal Astronomical Society, v. 69, p. 659-668.

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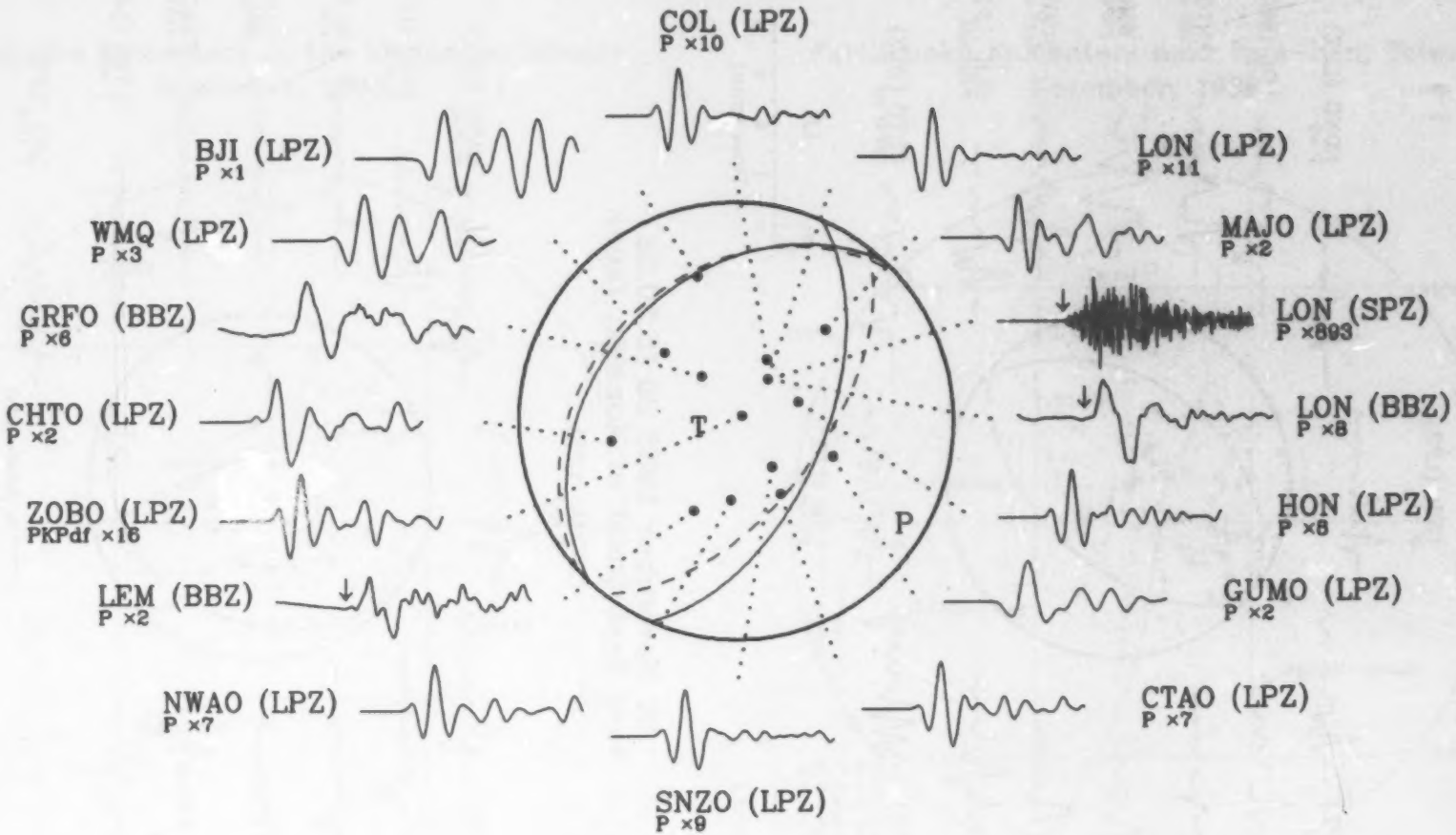
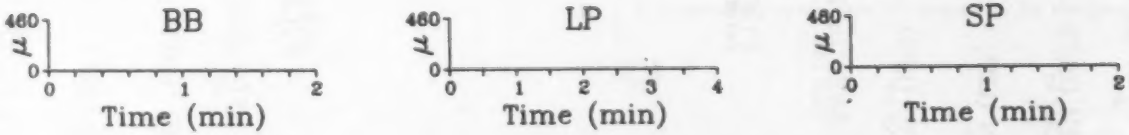
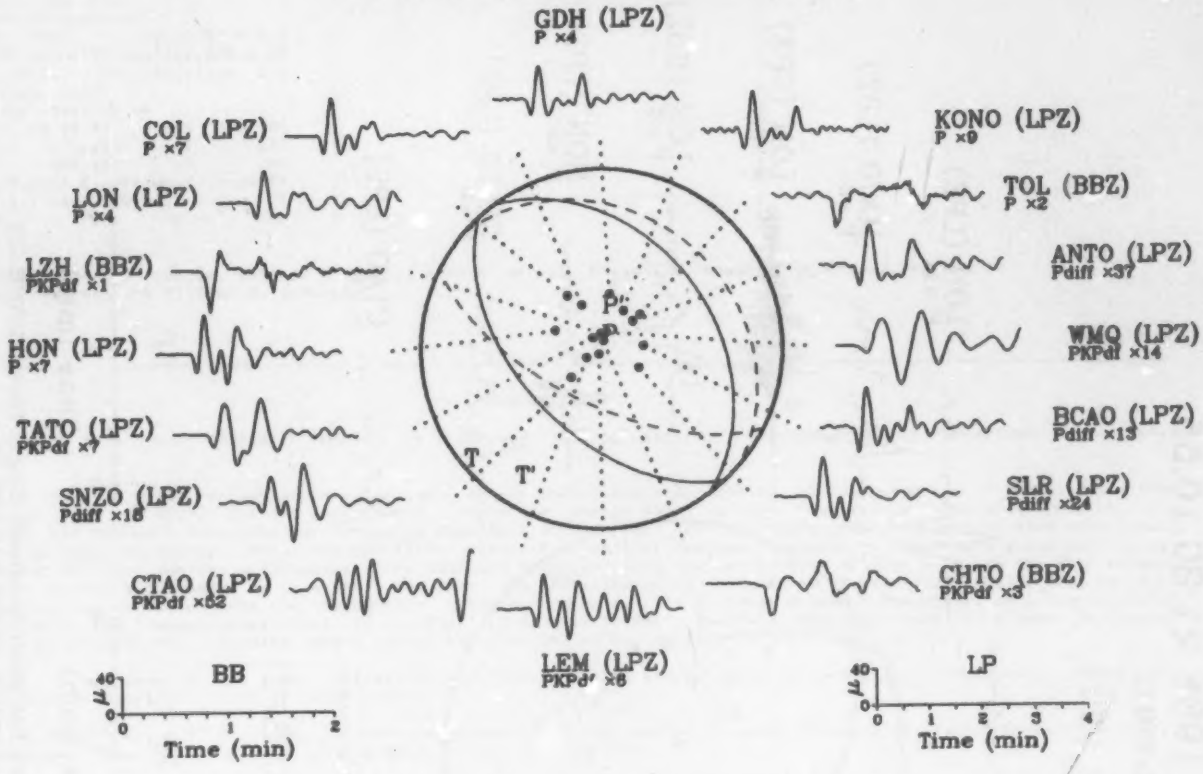
14 November 1986 21:20:10.55
Taiwan



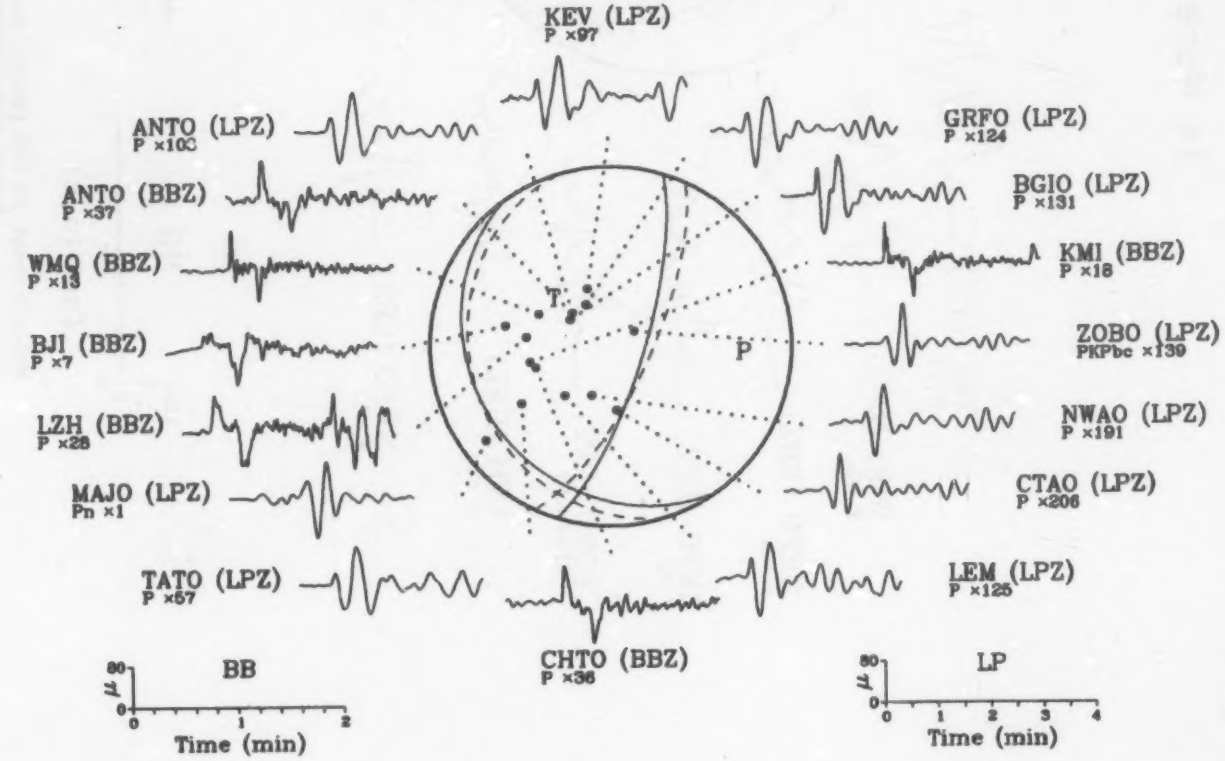


Multiple event. All BBZ records show mainshock has small foreshock (Origin Time: 21:20:05.07). Arrival of foreshock indicated by arrows on LON and LEM records.

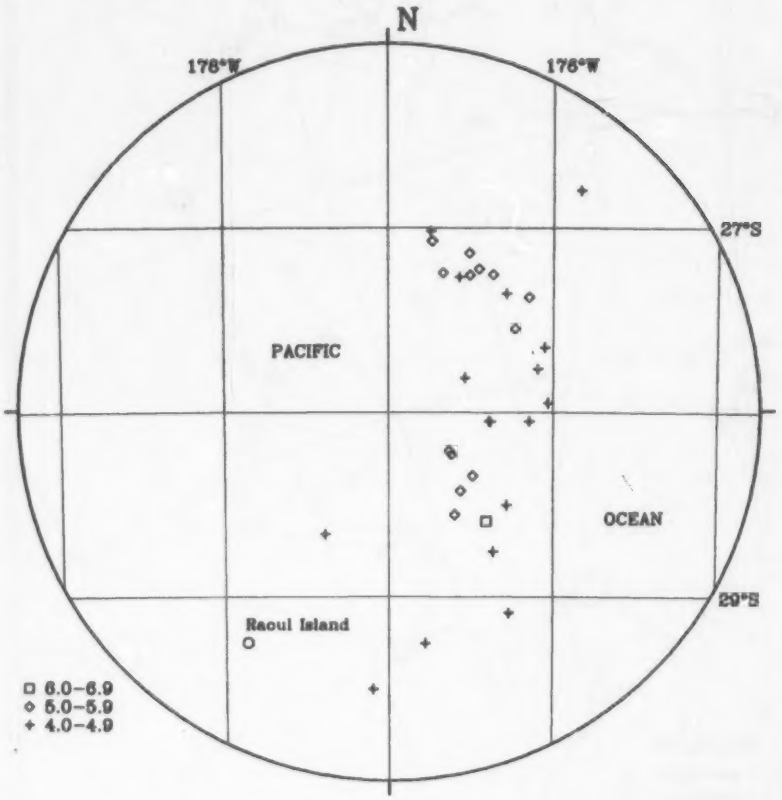
23 November 1986 01:39:23.90
Peru–Ecuador Border Region



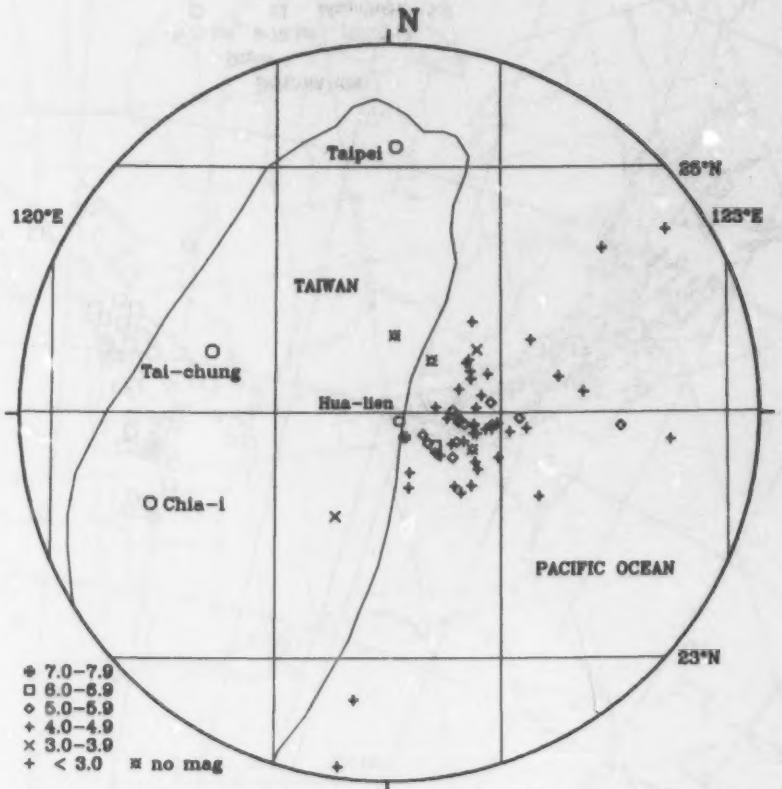
30 November 1986 20:15:30.32
Near East Coast of Honshu, Japan



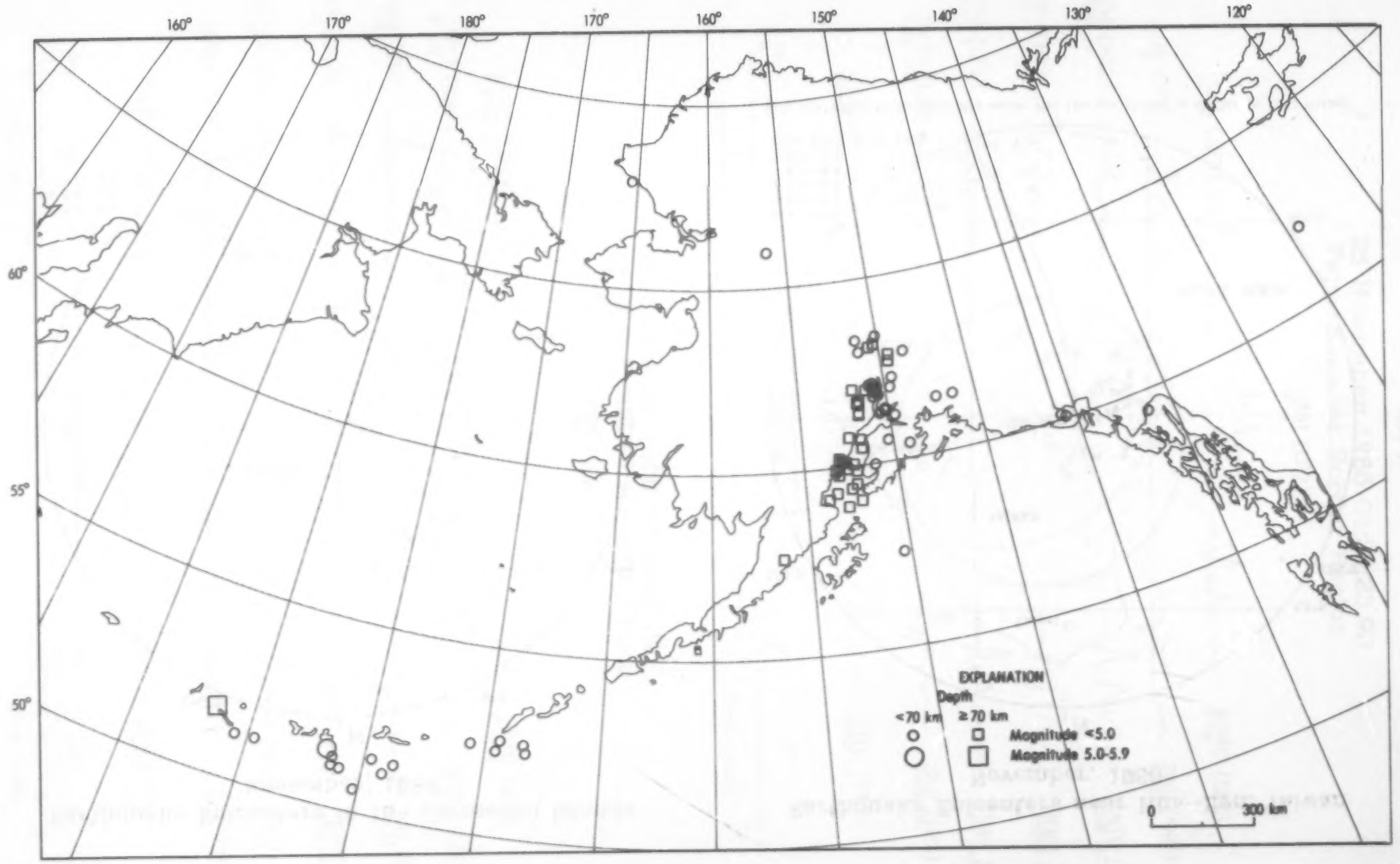
Earthquake Epicenters in the Kermadec Islands
November, 1986



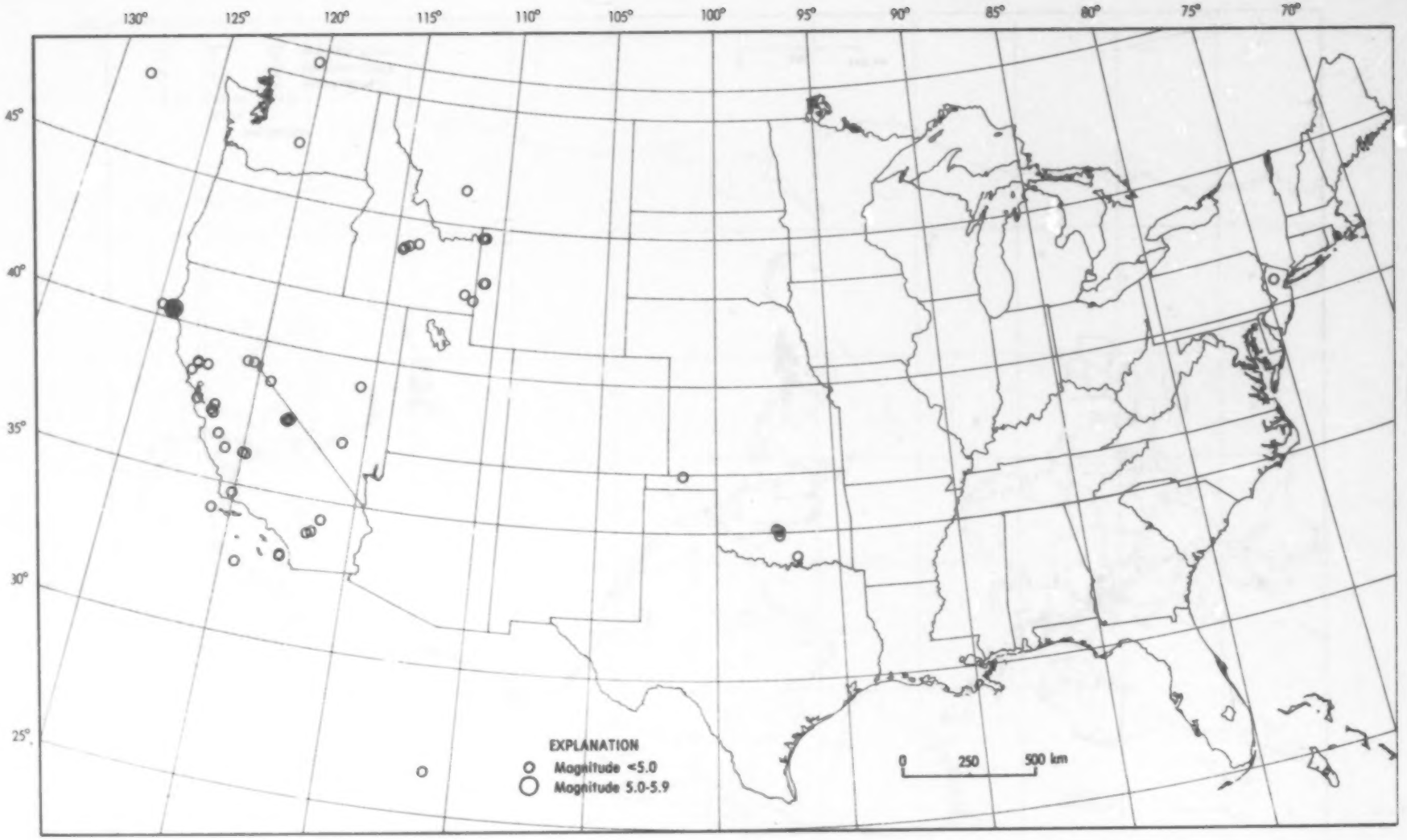
Earthquake Epicenters near Hua–lien, Taiwan
November, 1986



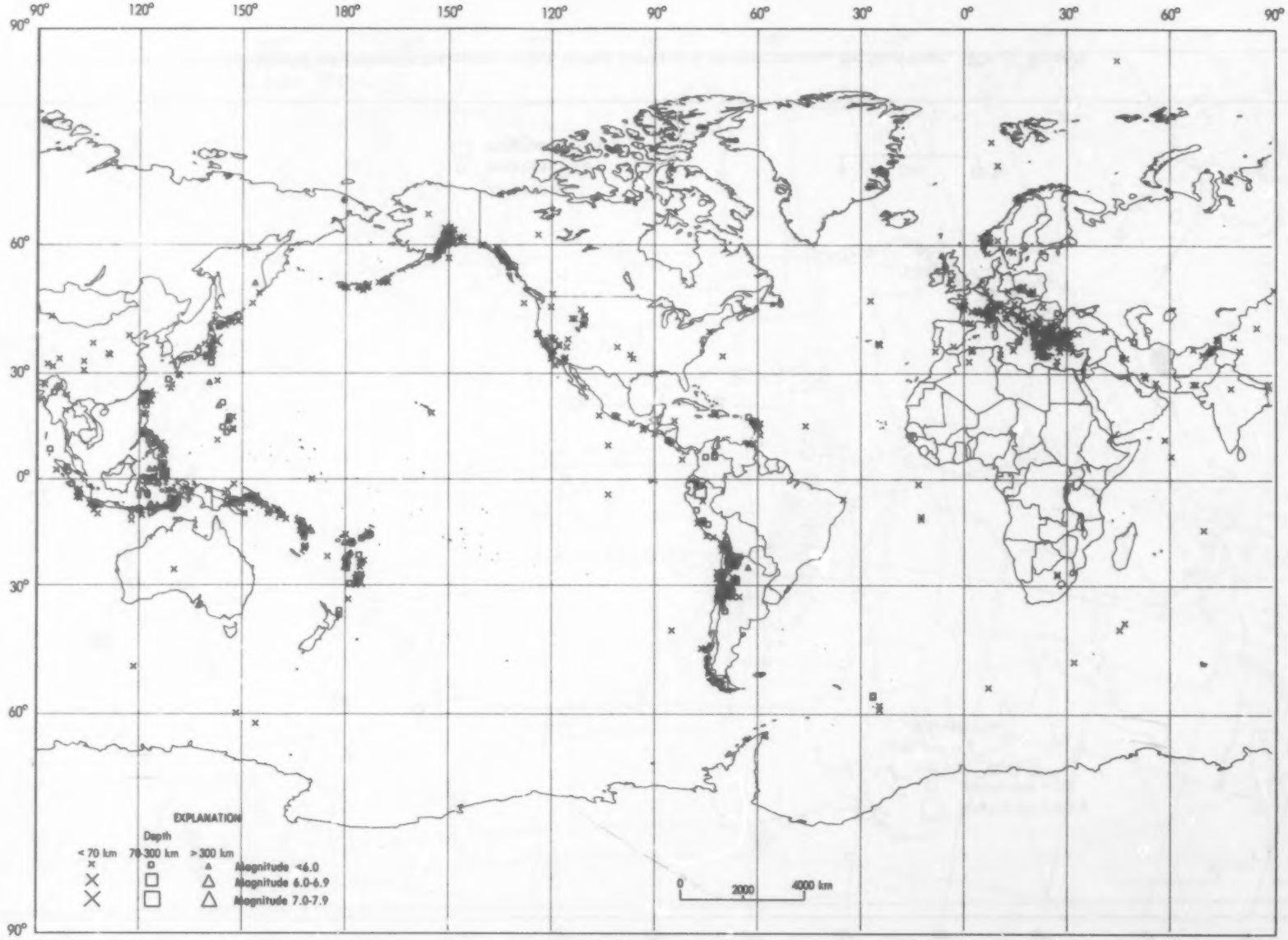
It is interesting to compare this series with the one plotted in the March 1986 Listing.



Earthquake epicenters in Alaska and adjacent regions for November, 1986 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for November, 1986 (C. Stover).



Earthquakes located in November, 1986 (C. Stover).